D1:

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	DDDD		\$	KKK KKK	KKK KKK KKK	9	000000	10
DDD	DDD	III	SSS	KKK	KKK	000		000
DDD	DDD	111	SSS	KKK	KKK	000		000
DDD	DDD	111	SSS	KKK	KKK	000		000
DDD	DDD	III	SSS	KKK	KKK	000		000
DDD	DDD	111	SSS	KKK	KKK	000		000
DDD	DDD	III	SSS	KKK	KKK	000		000
DDD	DDD	III	SSSSSSSS	KKKKKK		000		000
DDD	DDD	111	SSSSSSSS	KKKKKK		000		000
DDD	DDD	111	SSSSSSSS	KKKKKK		000		000
DDD	DDD	III	SSS	KKK	KKK	999	999	000
DDD	DDD	111	SSS	KKK	KKK	999	000	000
DDD	DDD	111	SSS	KKK	KKK	000	000	000
DDD	DDD	III	SSS	KKK	KKK	999	00	
DDD	DDD	111	SSS	KKK	KKK	999	00	
DDD	DDD	111	SSS	KKK	KKK	999	90	
DDDDDDDD	DDDDD	IIIIIIIII	SSSSSSSSSS	KKK	KKK	Q	20000	999
DDDDDDDD	DDDDD	IIIIIIIII	SSSSSSSSSS	KKK	KKK	Q	00000	000
DDDDDDDD	DDDDD	IIIIIIIII	\$\$\$\$\$\$\$\$\$\$\$\$	KKK	KKK	Q	00000	000

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	\$\$\$\$\$\$\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$	KK	QQQQQQ QQ QQ QQ QQ QQ QQ QQ QQ QQ QQ QQ	00 00 00 00	000000 00 00 00 00		
	\$						

DI VO

AAAAA

VO

MODULE DISKQUOTA (! Disk quota maintenance utility LANGUAGE (BLISS32),
MAIN = DISK QUOTA,
ADDRESSING_MODE (EXTERNAL = GENERAL, IDENT = 'VO4-000') =

BEGIN

COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. ALL RIGHTS RESERVED.

THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY TRANSFERRED.

THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT CORPORATION.

DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.

FACILITY: VMS System Manager Utilities

ABSTRACT:

This program implements the commands necessary to maintain the quota file on a files-11 structure level 2 disk. Functions are provided to create the quota file, enable and disable quotas, add, list, modify, and remove authorization entries.

ENVIRONMENT:

VAX/VMS Operating System

AUTHOR: Andrew C. Goldstein, CREATION DATE: 19-Jun-1979 18:54

MODIFIED BY:

V03-003 LMP0140

L. Mark Pilant,

23-Aug-1983 12:57

Structure declarations used for system defined structures to

save typing.

```
DISKQUOTA
VO4-000
                                                                                                                                                          15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
                                                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                                                                                                                                                      (2)
       159
161
163
164
166
167
167
177
177
177
178
188
188
199
193
                                                              Error messages
                                     Macro to generate each error message.
                                                         MACRO
                                                                           ERR_TEXT (CODE, COUNT, SEVERITY, STRING) =
LITERAL %NAME ('DSKQS_',CODE) = MSG_CODE + FAC_CODE^16;
SWITCHES UNAMES;
PSECT OWN = $MSG_TEXT;
OWN MSG_TEXT : VECTOR [%CHARCOUNT(CODE)+11+%CHARCOUNT(STRING)+2, BYTE]
INITIAL (BYTE (COUNT,
                                                                                                                                                       %CHARCOUNT(CODE)+11+%CHARCOUNT(STRING),
'%DISKQ-', %STRING (SEVERITY), '-',
%STRING (CODE), ', ', STRING));
                                                                                               PSECT OWN = $MSG_INDEX;
OWN MSG_INDEX : INITIAL (MSG_TEXT);
UNDECLARE MSG_TEXT, MSG_INDEX;
SWITCHES NOUNAMES;
XASSIGN (MSG_CODE, MSG_CODE+8)
PSECT OWN = $OWN$;
                                      0184
0185
0186
0187
0188
0189
0190
0191
0192
0193
0194
0195
0197
                                                              Initialize and label the message sections.
                                                         PSECT
                                                                            OWN
                                                                                               = $MSG_TEXT (NOWRITE, ALIGN(0));
                                                         OWN
                                                                            MESSAGE_TEXT
                                                                                                              : VECTOR [O, BYTE];
                                                         PSECT
                                                                            OWN
                                                                                               = $MSG_INDEX (NOWRITE, ALIGN (2));
       194
195
196
197
                                                         OWN
                                                                            MESSAGE_TABLE
                                                                                                                  : VECTOR [0];
                                                        COMPILETIME MSG_CODE
       198
199
200
201
202
203
204
205
206
209
210
                                                                                                                   = 0:
                                      0198
0199
0200
0201
0202
0203
0204
0205
0206
0207
                                                              Generate the error messages
                                                         LITERAL
                                                                            FAC_CODE
                                                                                                                   = 69:
                                                                                                                                                         ! or whatever
                                                                                                                   (CMD_ERR,
(INV_CMD,
(AMB_CMD,
(INV_QUAL,
(AMB_QUAL,
(INV_UIC,
(SYNTAX,
                                                                            ERR_TEXT
ERR_TEXT
ERR_TEXT
ERR_TEXT
ERR_TEXT
ERR_TEXT
ERR_TEXT
                                                                                                                                                                       'I/O error reading commands');
'unrecognized command!/!AD\!AD\!AD');
'ambiguous command!/!AD\!AD\!AD');
'unrecognized qualifier!/!AD\!AD\!AD');
'ambiguous qualifier!/!AD\!AD\!AD');
'invalid UI(!/!AD\!AD\!AD');
'invalid UI(!/!AD\!AD\!AD');
                                                                                                                                                                        'command syntax error!/!AD\!AD\!AD');
```

VC

```
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VAX-11 Bliss-32 V4.0-742
[DISKQ.SRCJDISKQUOTA.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        device is not a local device');
, 'device is not a local device');
, 'logical name is recursively defined');
, 'no device currently selected');
, 'error creating quota file');
, 'error initializing quota file');
, 'error closing quota file');
, 'failed to enable quota file');
, 'failed to disable quota file');
, 'failed to add quota file entry');
, 'failed to modify quota file entry');
, 'failed to modify quota file entry');
, 'cannot examine quota file entry');
, 'failed to lock volume');
, 'failed to unlock volume');
, 'failed to unlock volume');
, 'failed to access index file on relative volume !UW');
, 'failed to access quota file');
, 'failed to access quota file');
, 'I/O error reading quota file bitmap on relative volume !UW');
, 'I/O error reading file header !UL on relative volume !UW');
, 'I/O error reading file header !UL on relative volume !UW');
, 'failed to read home block on relative volume !UW');
, 'failed to read home block on relative volume !UW');
, 'failed to open help library');
, 'failed to open help library');
, 'failed to access help text');
                                                                                                                                                                                                                                                                                                                                                                  (NONLOCAL,
(NOTRAN,
(NODEVICE,
(CREATERR,
(INITERR,
(CLOSERR,
(ACTERR,
                                                                                                                                                                                                                                          ERR TEXT
                        (ADDERR,
(REMOVERR,
(MODIFYERR,
                                                                                                                                                                                                                                                                                                                                                                  (EXAMINERR,
(INUSE,
(LOCKERR,
                                                                                                                                                                                                                                                                                                                                                                     (UNLOCKERR,
                                                                                                                                                                                                                                                                                                                                                                     (MAXVOLS,
                                                                                                                                                                                                                                                                                                                                                                  (ACCINDEXF,
(ACCOFILE,
(QUOTARERR,
(BITMAPERR,
                                                                                                                                                                                                                                                                                                                                                                   (MEMALLOC,
                                                                                                                                                                                                                                                                                                                                                                    (HOMEBLOCK,
                                                                                                                                                                                                                                                                                                                                                                (HELP_INIT,
(HELP_OPEN,
(HELP_TEXT,
```

```
Module own storage.
                            LITERAL
                                       COMMAND LENGTH
OUTPUT CENGTH
MAX_KETS
= 132;
                                                                                    ! 2*(max # of keys) for HELP commnad
                               The following are indexes into the Exit Handler Control Block
                                       XHNDLR_ADDRESS
XHNDLR_ARGCNT
XHNDLR_STSADDR
                                                            = 1.
                                                                                      exit handler address
                                                                                      exit handler argument count
                                                                                    ! system exit status address
                            OWN
                                                             : WORD, ! channel for disk I/O

: VECTOR [4, WORD], ! I/O status block

: VECTOR [COMMAND LENGTH, BYTE], ! command line buffer

: VECTOR [OUTPUT_[ENGTH, BYTE], ! output line buffer
                                        CHANNEL
                                        10 STATUS
                                       COMMAND_LINE
                                       OUTPUT_LINE
                                                             : VECTOR [2] INITIAL (COMMAND_LENGTH, COMMAND_LINE),
: command line descriptor
: VECTOR [2] INITIAL (OUTPUT_LENGTH, OUTPUT_LINE),
: output line descriptor
                                       COMMAND_DESC
                                       OUTPUT_DESC
                                       EXIT_HNDLR_DESC : EXIT_CTRL_BLK [1],
                                                                                    ! exit handler descriptor
                               Area to zero before each command.
                                       ZERO_AREA
                                                             : VECTOR [O],
                               Cleanup action flags
                                       CLEANUP_FLAGS
                                                             : BITVECTOR [32];
                            LITERAL
                                       CLF_UNLOCK
                                                             = 0.
                                                                                      unlock volume set
                                                                                    ! exit command entered
                               Quota file record buffers
                            OWN
                                                             : BBLOCK [DQFSC_LENGTH], : BBLOCK [DQFSC_LENGTH],
                                       SRC_REC
DST_REC
                               FIB for quota file operations
                                       QUOTA_FIB
                                                             : BBLOCK [FIBSC_LENGTH],
                               TPARSE action routine output
                                       UIC_FLAGS
                                                             : BITVECTOR [32], ! UIC wild card flags
                               Storage used for HELP function.
```

(3)

```
8 10
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                VAX-11 Bliss-32 V4.0-742
EDISKQ.SRCJDISKQUOTA.B32:1
    KEY_VECTOR
KEY_INDEX,
                                                                              : VECTOR [MAX_KEYS], ! use as a descriptor vector
ZERO_END
                                                                               : VECTOR [0];
                                       LITERAL
                                                    ZERO_LENGTH
                                                                              = ZERO_END - ZERO_AREA;
                          Quota record descriptors
                                       OWN
                                                    SRCREC_DESC
DSTREC_DESC
QFIB_DESC
                                                                              : VECTOR [2] INITIAL (DQFSC_LENGTH, SRC_REC),
: VECTOR [2] INITIAL (DQFSC_LENGTH, DST_REC),
: VECTOR [2] INITIAL (FIBSC_LENGTH, QUOTA_FIB);
                                           TPARSE interface and output
                                       LITERAL
                                                                              = $BITPOSITION (FIB$V_ALL_GRP),
= $BITPOSITION (FIB$V_ALL_MEM),
= $BITPOSITION (FIB$V_MOD_PERM),
= $BITPOSITION (FIB$V_MOD_OVER);
                                                    WILD_GROUP
WILD_MEMBER
PERM_SPEC
OVER_SPEC
                                       OWN
                                                                              : BBLOCK [TPASK_LENGTHO] INITIAL (TPASK_COUNTO, TPASM_ABBREV);
                                                    TPARSE_BLOCK
                                       BIND
                                                                              = SRC_RECEDQF$L_UIC],
= SRC_RECEDQF$L_PERMQUOTA],
= SRC_RECEDQF$L_OVERDRAFT];
                                                    UIC VALUE
PERM_VALUE
                                                                                                                                      full UIC
                                                                                                                                      permanent quota
                                                    OVER_VALUE
                                                                                                                                   ! overdraft limit
                                       PSECT
                                                    PLIT
                                                                 = SOWNS:
                                       BIND
                                                    QFILE_NAME
                                                                               = DESCRIPTOR ('QUOTA.SYS;1'); ! quota file name
                                       PSECT
                                                    PLIT
                                                                 = $PLITS;
```

```
DI
VO
```

Page

```
DISKQUOTA
VO4-000
                                                                                                                   VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                               GLOBAL ROUTINE DISK_QUOTA =
    Functional Description:
                                          This is the main program of the disk quota utility. It accepts commands from SYS$INPUT, parses and processes them, and reports
                                          errors.
                                  Calling Sequence:
                                  Input Parameters:
                                          none
                                  Implicit Inputs:
                                          none
                                  Output Parameters:
                                          none
                                  Implicit Outputs:
                                         none
                                  Routines Called:
                                         none
                                  Routine Value:
                                         none
                                  Signals:
                                         none
                                 Side Effects:
                                         none
                               BEGIN
                               LOCAL
                                          STATUS,
                                                                                    ! general status value
                                                                                    ! general string pointer
                                 Generate translation table to convert lower case to upper case.
                               MACRO
                                         UPCASE_ENTRY (DUMMY) [] =

%IF ((%COUNT AND %x'7F') GEQU 'a') AND ((%CCUNT AND %x'7F') LEQU 'z')

%THEN (%COUNT AND %x'5F')

%ELSE (%COUNT AND %x'7F')
                                                    THEN , UPCASE_ENTRY (0)
```

DI VO

```
E 10
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                              TPARSE state table to parse commands.
                                              $INIT_STATE (STATE_TABLE, KEY_TABLE);
                                                 Initial state - acquire command.
                                                             (START,
('ADD',
('CREATE',
('DISABLE',
'ENABLE',
     SSTATE
                                                                                            DO_ADD),
MORE, ACT_CREATE),
MORE, ACT_DISABLE),
MORE, ACT_ENABLE),
TPA$_EXIT,,T^CLF_EXIT,CLEANUP_FLAGS),
DO_MELP),
DO_MODIFY),
MORE, ACT_REBUILD),
DO_REMOVE),
DO_SHOW),
DO_USE),
INV_COMMAND),
                                                             ('EXIT',
('HELP',
('MODIFY',
('REBUILD',
('REMOVE',
('SHOW',
('USE',
(TPA$_SYMBOL,,
(TPA$_EOS,
                                                                                                            INV_COMMAND),
                                                                                             TPAS_EXIT)
                                                  USE command
                                              SSTATE
                                                             (DO USE, ((DEV_SPEC), MORE, ACT_USE)
                                                  ADD command
                                                            (DO_ADD,
((CMD_SWIT), DO_ADD),
((UIC), DO_ADD1)
                                              SSTATE
                                                              (DO ADD1,
((CMD_SWIT), DO ADD1),
(TPA$_LAMBDA, MORE, ACT_ADD)
                                              SSTATE
                                                  MODIFY command
                                                             (CMP_SWIT), DO_MODIFY), ((UIC), DO_MODIFY)
                                              SSTATE
```

DI

69

6F

61

75

69

```
F 10
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                    VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                          Page 11 (5)
                                               (DO MODIFY1,
((CMD_SWIT), DO MODIFY1),
(TPA$_LAMBDA, MORE, ACT_MODIFY)
                       SSTATE
    SHOW command
                                               (DO_SHOW, (UIC), MORE, ACT_SHOW)
                                    SSTATE
                                      REMOVE command
                                               (DO REMOVE, ((UIC), MORE, ACT_REMOVE)
                                    SSTATE
                                      Process additional commands on line
                                               (MORE,
(1: START),
(TPAS_EOS, TPAS_EXIT)
                                    SSTATE
                                      Process command switches
                                               (CMD_SWIT,
                                    SSTATE
                                    SSTATE
                                                ('PERMQUOTA', DO PERMQUOTA,, 1^PERM_SPEC, UIC_FLAGS), ('OVERDRAFT', DO OVERDRAFT,, 1^OVER_SPEC, UIC_FLAGS), (TPA$_SYMBOL,, INV_SWITCH)
                                                (DO PERMQUOTA,
                                    SSTATE
                                    SSTATE
                                                (TPAS_DECIMAL, TPAS_EXIT ... PERM_VALUE)
                       0514
0515
0516
0517
                                                (DO OVERDRAFT,
                                    SSTATE
                                   SSTATE
```

DI

20

61

65

```
6 10
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                   VAX-11 Bliss-32 V4.0-742
EDISKO.SRCJDISKQUOTA.832;1
                                                                                                                                                                                                               Page
                                                     (TPAS_DECIMAL, TPAS_EXIT,,, OVER_VALUE)
     Process device name
                                                     (TPAS_SYMBOL)
                                        SSTATE
                                       SSTATE
                                                     (F: TPAS EXIT)
                                           Process UIC
                                                     (UIC, (TPAS_IDENT, TPAS_EXIT, ... UIC_VALUE)
                                        SSTATE
                                           HELP command
                                                   (DO_HELP,

(TPA$_STRING, DO_HELP,SAVE_KEY),

((DO_GUALIFIER),DO_HELP,SAVE_KEY),

('*' DO_HELP,SAVE_KEY),

((ELIPSIS), DO_HELP,SAVE_KEY),

(TPA$_LAMBDA, MORE,ACT_HELP)
                                        SSTATE
                          05556
05556
05557
055559
05665
05667
05667
0577
0577
                                                     (DO QUALIFIER,
                                        SSTATE
                                       SSTATE
                                                     ( PERMQUOTA ...
                                                                               TPAS_EXIT),
TPAS_EXIT),
TPAS_EXIT)
                                                     (TPAS_STRING,
                                                     (ELIPSIS.
                                        SSTATE
     572
573
574
                                        SSTATE
     575
     576
577
578
579
                                       SSTATE
                                                            , TPAS_EXIT)
```

DI VO

74

71

60

```
H 10
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                               VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
    Set up a channel to the default disk, if it is defined.
                         ENABLE MAIN_HANDLER;
                                       USE_DEFAULT ();
                                          Set up the exit handler descriptor and declare the handler.
                                      EXIT_HNDLR_DESC[XHNDLR_ADDRESS] = EXIT_HANDLER;
EXIT_HNDLR_DESC[XHNDLR_ARGCNT] = 1;
EXIT_HNDLR_DESC[XHNDLR_STSADDR] = EXIT_HNDLR_DESC[XHNDLR_STSADDR+1];
                                       $DCLEXH (DESBLK=EXIT_HNDLR_DESC);
                                          Acquire a command line, convert to upper case, and parse it. Command processing is actually done by parser action routines. If a syntax error
                                          occurrs, output an error message. Errors occurring during the command
                                          processing are signalled at that time.
                                      WHILE 1 DO
BEGIN
                                       COMMAND_DESC[0] = COMMAND_LENGTH;
STATUS = LIB$GET_INPUT (COMMAND_DESC, DESCRIPTOR ('DISKQ>'));
                                       IF NOT .STATUS
                                      THEN
    614
                                               F .STATUS NEQ RMS$_EOF
                                             THEN ERR_MESSAGE (DSKQ$_CMD_ERR, .STATUS);
    616
                                             RETURN 1:
                                             END:
    618
                                      CH$TRANSLATE (UPCASE TABLE, .COMMAND_DESC[0], .COMMAND_DESC[1], .O, .COMMAND_DESC[0], .COMMAND_DESC[1]);

P = .COMMAND_DESC[0] + .COMMAND_DESC[1];

UNTIL CH$RCHAR (.P-1) NEQ ...
                                       DO P = .P - 1
                                      COMMAND_DESCEOJ = .P - .COMMAND_DESCETJ;
                                      CH$fill (U, ZERO_LENGTH, ZERO_AREA);
TPARSE_BLOCK[TPA$L_STRINGCNT] = .COMMAND_DESC[0];
TPARSE_BLOCK[TPA$L_STRINGPTR] = .COMMAND_DESC[1];
STATUS = LIB$TPARSE (TPARSE_BLOCK, STATE_TABLE, KEY_TABLE);
If NOT .STATUS
                                       THEN
                                             IF .STATUS EQL LIBS_SYNTAXERR
THEN STATUS = DSKQS_SYNTAX;
ERR_MESSAGE (.STATUS,
.TPARSE_BLOCK[TPA$L_TOKENPTR] - .COMMAND_DESC[1],
                                                                   .COMMAND_DESC[1],
```

VC

20

```
I 10
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                        VAX-11 Bliss-32 V4.0-742
EDISKO.SRCJDISKQUOTA.B32:1
                                                                                                                                                                         Page
                                                       .TPARSE_BLOCK[TPA$L_TOKENCNT],
.TPARSE_BLOCK[TPA$L_TOKENPTR],
.TPARSE_BLOCK[TPA$L_STRINGCNT] - .TPARSE_BLOCK[TPA$L_TOKENCNT],
.TPARSE_BLOCK[TPA$L_STRINGPTR] + .TPARSE_BLOCK[TPA$L_TOKENCNT],
   638
6441
6445
6445
6447
6450
651
                                      END:
                                IF .CLEANUP_FLAGS[CLF_EXIT]
THEN RETURN 1
                                                                                       ! if EXIT command encountered
                                                                                       ! then exit DISK_QUOTA
                                END:
                                                                                       ! end of command loop
                                END:
                                                                                       ! end of routine DISK_QUOTA
                                                                                                     .TITLE
                                                                                                               VO4-000
                                                                                                     .PSECT _LIB$KEY1$, NOWRT, SHR, PIC,1
                                                                                 00000 : TPASKEYSTO
                                                                                                     .ASCII
                                                                                          U.70:
                                                                                                                \ADD\
                                                                                00004 : TPA$KEYSTO

0.74: BLKB

00004 : TPA$KEYST

0.76: ASCI-
                                                      54 41 45 52 43
                                                                                         U.76: ASCII
                                                                                                                CREATE \
                                                                                  0000B
                                                                                          U.81:
                                                                                                      .BLKB
                                                 40 42 41 53 49
                                                                                  OOOOB ; TPASKEYST
                                                                                          U.83:
                                                                                                               \DISABLE\
                                                                                  00012
00013
                                                                                                      BYTE
                                                                                          TPASKEYSTO
                                                                                 00013 :TPASKEYST
                                                      4C 42 41 4E 45
                                                                                          U.89:
                                                                                                                LENABLE
                                                                                                     .ASCII
                                                                                         TPASKEYSTO
                                                                                  0001A
                                                                 49
                                                                      58
                                                                            45
                                                                                  0001A : TPASKEYST
                                                                                                                VEXITY
                                                                                  0001E
0001F
                                                                                          TPASKEYSTO
                                                                                  0001F
                                                            50 40 45 48
                                                                                          U.102:
                                                                                                                \HELP\
                                                                                  00023
                                                                                          U.106:
                                                                                  00024 : TPASKEYST
                                                                                          U.108: .ASCII
                                                                                                                \MODIFY\
                                                                                  0002A : TPA$KEYSTO
                                                                                                                -1
```

V

6

61

7

69

21

U.77: .WORD

-28415

65

30

7

50

7

	1	10 5-Sep-1984 23:38: 4-Sep-1984 12:19:	38 VAX-11 Bliss-32 V4.0-742 46 [DISKQ.SRC]DISKQUOTA.832;1	Page 16 (6)
0000000v	00006		CACT CREATE-II 795-45	
0000*	0000A		< <act_create-u.78>-4></act_create-u.78>	
9102	0000C		< <u.79-u.80>-2></u.79-u.80>	•
0000000v	0000E	:TPASACTION	-28414	•
0000*	00012	U.85: LONG	< <act_disable-u.85>-4></act_disable-u.85>	
9103	00014	U.86: .WORD	< <u.79-u.86>-2></u.79-u.86>	
00000000v	00016	:TPASACTION	-28413	•
0000*	0001A	U.91: LONG	< <act_enable-u.91>-4></act_enable-u.91>	•
7104	0001C	U.92: WORD	< <u.79-u.92>-2></u.79-u.92>	•
00000000*	0001E	U.96: .WORD	28932	•
00000002	00022	U.97: LONG	< <cleanup_flags-u.97>-4></cleanup_flags-u.97>	
FFFF	00026		2	:
1105	00028		-1	:
0000*	0002A		4357	
1106	00020	U.105: .WORD ;TPA\$TYPE	< <u.104-u.105>-2></u.104-u.105>	•
0000*	0002E	U.109: .WORD ; TPASTARGET	4358	
9107	00030	U.111: .WORD	< <u.110-u.111>-2></u.110-u.111>	•
00000000v	00032	U.115: .WORD	-28409	:
	00036	U.116: .LONG	< <act_rebuild-u.116>-4></act_rebuild-u.116>	;
1108	00038	U.117: .WORD	< <u.79-u.117>-2></u.79-u.117>	
	0003A	U.121: .WORD	4360	:
1109	0003C	U.123: .WORD	< <u.122-u.123>-2></u.122-u.123>	:
	0003E	U.127: .WORD	4361	:
110A	00040	U.129: .WORD	< <u.128-u.129>-2></u.128-u.129>	:
	00042	U.133: .WORD	4362	
81F1	00042	U.135: .WORD	< <u.134-u.135>-2></u.134-u.135>	:
		U.136: .WORD	-32271	:
00000000v		U.137: .LONG	< <inv_command-u.137>-4></inv_command-u.137>	;
15F7	0004A	U.138: .WORD	5623	:
FFFF	00040	; TPASTARGET		

DI VC

1023E4556455645564556457E

	1	L 10 5-Sep-1984 23:38: 4-Sep-1984 12:19:		Page 17 (6)
	0004E	U.139: .WORD ;DO_USE	-1	
9DF8	0004E	U.134: .BLKB	0	
		U.141: .WORD	-25096	
0000*		U.143: .WORD	< <u.142-u.143>-2></u.142-u.143>	:
00000000v		U.144: .LONG	< <act_use-u.144>-4></act_use-u.144>	:
0000*	00056	:TPASTARGET U.145: .WORD	< <u.79-u.145>-2></u.79-u.145>	
	00058	U.72: .BLKB	0	
19F8	00058	; TPASTYPE	6648	
0000*	0005A			
0000*	00050		< <u.147-u.148>-2></u.147-u.148>	
1DF8	0005E	U.149: .WORD	< <u.72-u.149>-2></u.72-u.149>	:
0000*		U.150: .WORD	7672	:
		U.152: .WORD	< <u.151-u.152>-2></u.151-u.152>	:
0000*	00062	U.154: .WORD	< <u.153-u.154>-2></u.153-u.154>	
	00064	U.153: .BLKB	0	
19F8	00064	:TPASTYPE U.155: .WORD	6648	:
0000*	00066		< <u.147-u.156>-2></u.147-u.156>	
0000*	00068	; TPASTARGET		
95F6	0006A	U.157: .WORD ; TPASTYPE	< <u.153-u.157>-2></u.153-u.157>	•
00000000v	00060	U.153: .WORD	-27146	
	00070	U.159: .LONG	< <act_add-u.159>-4></act_add-u.159>	:
0000-		U.160: .WORD	< <u.79-u.160>-2></u.79-u.160>	:
		U.170: BLKB	0	
19F8	00072	U.161: .WORD	6648	
0000*	00074	:TPASSUBEXP U.162: .WORD	< <u.147-u.162>-2></u.147-u.162>	
0000*	00076	:TPASTARGET U.163: .WORD	< <u.110-u.163>-2></u.110-u.163>	
1DF8	00078	; TPASTYPE		
0000*	0007A		7672	•
0000*	00070	U.165: .WORD	< <u.151-u.165>-2></u.151-u.165>	:
	0007E	U.167: .WORD	< <u.166-u.167>-2></u.166-u.167>	:
1019		U.166: .BLKB	0	
19F8	0007E	TPASTYPE U.168: .WORD	6648	

V

	1	M 10 5-Sep-1984 2 4-Sep-1984 1	3:38:38 2:19:46	VAX-11 Bliss-32 V4.0-7 [DISKQ.SRC]DISKQUOTA.B		(6)
0000*	00080	:TPASSUBEXP	DD //!!	.147-u.169>-2>		
0000*	00082	; TPASTARGET				
95F6	00084			.166-U.170>-2>		
00000000v	00086	; TPASACTION			•	
0000*	0008A	U.172: .LO	NG < <ac< td=""><td>T_MODIFY-U.172>-4></td><td>:</td><td></td></ac<>	T_MODIFY-U.172>-4>	:	
	00080	U.173: .WO	RD < <u.< td=""><td>.79-u.173>-2></td><td></td><td></td></u.<>	.79-u.173>-2>		
9DF8	00080	U.128: .BL	KB 0			
		U.174: .WO	RD -250	096	:	
0000*	(6.55.13	U.175: .WO	RD < <u.< td=""><td>.151-U.175>-2></td><td>:</td><td></td></u.<>	.151-U.175>-2>	:	
00000000v		U.176: .LO		T_SHOW-U.176>-4>		
0000*	00094	:TPASTARGET U.177: .WO		.79-U.177>-2>		
	00096	; DO_REMOVE	KB 0			
9DF8	00096	; TPASTYPE		104		
0000*	00098	; TPA\$SUBEXP	RD -250			
00000000v	0009A	; TPASACTION		.151-0.179>-2>		
0000*	0009E	U.180: LO	NG < <ac< td=""><td>T_REMOVE-U.180>-4></td><td>:</td><td></td></ac<>	T_REMOVE-U.180>-4>	:	
	000A0	U.181: .WO	RD < <u.< td=""><td>.79-U.181>-2></td><td></td><td></td></u.<>	.79-U.181>-2>		
103B	000A0	U.79: .BL	KB 0			
		U.182: .WO	RD 4155	i		
		TPASTARGET	RD <<51	TART-U.183>-2>	:	
15F7	000A4	U.184: .WO	RD 5623	3		
FFFF	000A6	:TPASTARGET U.185: .WO				
	8A000	CMD SWIT				
042F	8A000	; TPASTYPE				
710B	000AA	U.186: WO				
00000000*	000AC	U.190: .WO			•	
00000008	000B0	U.191: .LO	NG < <ui< td=""><td>IC_FLAGS-U.191>-4></td><td>•</td><td></td></ui<>	IC_FLAGS-U.191>-4>	•	
0000*		U.192: .LO			:	
	000B6	U.194: .WO		.193-u.194>-2>	:	
7100		U.198: .WO	RD 2894	10	94	
00000000		U.199: .LO	NG < <ui< td=""><td>IC_FLAGS-U.199>-4></td><td>:</td><td></td></ui<>	IC_FLAGS-U.199>-4>	:	
00000010	000BC	; TPASMASK				

VC

	1	N 10 5-Sep-1984 23:38: 4-Sep-1984 12:19	38 VAX-11 Bliss-32 V4.0-742 46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 19 (6)
0000*	00000	U.200: LONG	16	:
85F1	00002	U.202: .WORD	< <u.201-u.202>-2></u.201-u.202>	:
		U.203: .WORD	-31247	:
00000000v	000C4 000C8	U.204: .LONG	< <inv_switch-u.204>-4></inv_switch-u.204>	:
0430	00008	U.193: .BLKB	0	
55F3	000CA	U.206: .WORD	1085	:
		U.207: .WCRD	22003	:
•00000000	00000	U.208: .LONG	< <perm_value-u.208>-4></perm_value-u.208>	
FFFF	00000	:1PASTARGET U.209: .WORD	-1	,
	00002		0	
0430	00002	; TPASTYPE		
55F3	00004		1085	•
•00000000	00006		22003	
FFFF	000DA	U.212: LONG :TPASTARGET	<<0ver_value-u.212>-4>	
	00000	U.213: .WORD	-1	:
0561		U.147: .BLKB	0	
05F1	00000	U.214: .WORD	1521	:
103A	000DE	U.215: .WORD	4154	
FFFF	000E0	:TPASTARGET U.216: .WORD	-1	
15F6	000E2	TPASTYPE U.217: .WORD	5622	
FFFF	000E4	; TPASTARGET		
	000E6		•1	100
SSEC	000E6	U.151: BLKB	0	
	000E8	U.219: .WORD	21996	:
FFFF	000EC	U.220: .LONG	< <uic_value-u.220>-4></uic_value-u.220>	:
		U.221: .WORD	-1	:
0110	000EE	U.104: .BLKB	0	
9160	000EE	U.222: .WORD	-28176	:
00000000v	000F0	U.223: .LONG	< <save_key-u.223>-4></save_key-u.223>	
0000•	000F4	:TPASTARGET U.224: .WORD	< <u.104-u.224>-2></u.104-u.224>	
99F8	000F6	TPASTYPE U.225: .WORD	-26120	

V

	1	8 11 5-Sep-1984 23:38 4-Sep-1984 12:19	:38 VAX-11 Bliss-32 V4.0-742 :46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 20 (6)
0000*	000F8	TPASSUBEXP	< <u.226-u.227>-2></u.226-u.227>	
0000000v	000FA			
0000*	000FE	; TPASTARGET	< <save_key-u.228>-4></save_key-u.228>	
902A	00100		< <u.104-u.229>-2></u.104-u.229>	
00000000v	00102		-28630	
0000*	00106		< <save_key-u.231>-4></save_key-u.231>	
99F8	00108		< <u.104-u.232>-2></u.104-u.232>	
0000*	0010A	U.233: .WORD	-26120	:
00000000v	00100	U.235: .WORD	< <u.234-u.235>-2></u.234-u.235>	
	00110	U.236: .LONG	< <save_key-u.236>-4></save_key-u.236>	:
95F6	00112	U.237: .WORD	< <u.104-u.237>-2></u.104-u.237>	:
00000000v		U.238: .WORD	-27146	: :
		U.239: .LONG	< <act_help-u.239>-4></act_help-u.239>	:
0000*	00118	U.240: .WORD	< <u.79-u.240>-2></u.79-u.240>	:
	0011A	U.226: .BLKB	0	
042F	0011A	U.241: .WORD	1071	
110D	0011C	U.245: .WORD	4365	
FFFF	0011E	:TPASTARGET U.246: .WORD	-1	
110E	00120	:TPASTYPE U.250: .WORD	4366	
FFFF	00122	; TPASTARGET	-1	
15F0	00124	; TPASTYPE		
FFFF	00126		5616	
	00128	U.253: .WORD	-1	
042E	00128	U.234: BLKB	0	
042E	0012A	U.255: .WORD	1070	
142E	00120	U.256: .WORD	1070	
FFFF	0012E	U.257: .WORD	5166	:
		U.258: .WORD	-1	:
		.PSECT	_LIB\$KEYO\$, NOWRT, SHR, PIC,1	
	00000	KEY_TABLE::	0	

DI

	1	11 5-Sep-1984 23:38 4-Sep-1984 12:19		Page (21
	00000	TPASKEYO U.67: BLKB	0		
0000*	00000	TPASKEY U.69: .WORD	<u.68-u.67></u.68-u.67>		
0000*	00002	TPASKEY U.75: .WORD	<u.74-u.67></u.74-u.67>		
0000*	00004	: TPASKEY			
0000*	00006		<u.81-u.67></u.81-u.67>	•	
*6000	00008	U.88: .WORD	<u.87-u.67></u.87-u.67>		
0000*	0000A	U.94: WORD	<u.93-u.67></u.93-u.67>	•	
0000*	0000C	U.101: .WORD	<u.100-u.67></u.100-u.67>	•	
0000*	0000E	U.107: .WORD	<u.106-u.67></u.106-u.67>	•	
0000*	00010		<u.112-u.67></u.112-u.67>	•	
0000*	00012		<u.118-u.67></u.118-u.67>	•	
0000*	00014	U.125: .WORD	<u.124-u.67></u.124-u.67>	•	
0000*	00016	U.131: .WORD	<u.130-u.67></u.130-u.67>	•	
0000*	00018		<u.187-u.67></u.187-u.67>	•	
0000*	0001A		<u.195-u.67></u.195-u.67>	•	
0000*	0001C		<u.242-u.67></u.242-u.67>	•	
		U.248: .WORD	<u.247-u.67></u.247-u.67>	•	
		.PSECT	\$MSG_INDEX,NOWRT,NOEXE,2		
		MESSAGE_TABLE:	0		
		:MSG_INDEX	S U.1	:	
		:MSG_INDEX	s u.3	:	
		:MSG_INDEX	S U.5	:	
		MSG_INDEX	S U.7	:	
		:MSG_INDEX U.10: .ADDRES	S U.9	:	
		:MSG_INDEX U.12: .ADDRES	S U.11	:	
00000000	00018	MSG_INDEX U.14: .ADDRES		:	
00000000.	0001C	:MSG_INDEX U.16: .ADDRES		:	
		:MSG_INDEX U.18: .ADDRES		:	
00000000.	00024	MSG_INDEX U.20: ADDRES		:	

DI:

: 1

00000 MESSAGE_TEXT:
BLKB

00 00000 :MSG_TEXT

0.1: BYTE 0.44

25 00002 .ASCII \ZDISKQ-\
ASCII \F\
20 0000A .ASCII \-\

.PSECT \$MSG_TEXT, NOWRT, NOEXE, 0

15	-000	TA													f 11 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1	Page (
													32	06	38 :MSG_TEXT BYTE 6, 50	
								2D	51	48	53	49	44	25	SA .ASCII \XDISKQ-\	
									58	41	54	4E	59	53	41 .ASCII \E\ 42 .ASCII \-\ 43 .ASCII \SYNTAX\	
0	78	61	74	6E	79	73	20	64 2F	6E 21	61	6D 6F	6D 72 44	59 6F 72 41	63	49 .ASCII \ 4B .ASCII \command syntax error!/!AD\<92>\	!AD\<92>
												44	41 2F	53 63 65 00	ASCII \!AD\ 60 ;MSG_TEXT	:
								20	51	48	53	49	44	25	U.15: .BYTE 0. 47	:
							40	41	43	45	40	4E	45	2550EC40	6E .ASCII \DISKQ-\ 75 .ASCII \E\ 76 .ASCII \-\ 77 .ASCII \NONLOCAL\	
	20	74	6F	6E	20	73			65	63			4F 20 65 60	20	7F .ASCII \\\\ 81 .ASCII \device is not a local device\\ 90	
		65	65 63	69 69	76	65	69	50	60	61	63	76 6F			90 9D .BLKB 3	i
								20	51	48	53	49	34	00	AO :MSG_TEXT U.17: .BYTE 0, 52 AZ .ASCII \%DISKQ-\	:
								20	,,	40	,,	47	44	25 42 42 62 62 60	ASCII \ZDISKQ-\ ASCII \ZDISKQ-\ AA .ASCII \-\ AB .ASCII \NOTRAN\ B1 .ASCII \Cogical name is recursively def	
									4E	41	52	54	4F 20	4E 2C	AB .ASCII \NOTRAN\ B1 .ASCII \	
5	64	50	79	6D	65	6E 76	69	6C 73	72	63 75 64	69 63 65	67 65 6E	4F 20 6F 72 69	50 50	ASCII \logical name is recursively def	ined\
										04	65	OE	2F	00	DE :MSG_TEXT	
								20	51	4B	53	49	44	25	D8 :MSG_TEXT U.19: BYTE 0, 47 DA	1
							,,	,,	,,		,,	,,	,.	20	E1 .ASCII \E\ E2 .ASCII \-\	
	72	72	75	63	20	65	45	43	76	56	45	20	4F 20 6F 74	4E 2C 6E 6E	EB .ASCII \NODEVICE\ ED .ASCII \no device currently selected\	
		72 64	65	63	63	65	60	65	73	20	79	9C 50			FC 09 .BLKB 3	:
								20					50	00	OC :MSG TEXT	:
								2D	51	48	53	49	44	45	0E .ASCII \%DISKQ-\ 15 .ASCII \E\ 16 .ASCII \-\ 17 .ASCII \CREATERR\ 1F .ASCII \. 21 .ASCII \error creating quota file\	
							52	52	45	54	41	45	52	43	17 ASCII (CREATERR)	
1	67	6E	69	74	61	65 60	72 69	63	50	72 61	6F 74	72 6F	52 20 72 75	43 20 65 71	30	
													2F	00	ZC .MCC TEVT	
								20	51	48	53	49	44	25	JE ASCII \ZDISKQ-\ ASCII \E\	
								52	52	45	54	49	4E	20	46 ASCII \-\ 47 ASCII \INITERR\	

D10

15K	000	TA													G 11 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 2
A	69	6C	61	69	74 20	69	6E 74	69 6F	20 75	72 71	6F 20	72 67	20 72 6E	2C 65 69	0024E .ASCII \ 00250 .ASCII \error initializing quota file\ 0025F 0026D .BLKB 3	1
								20	51	48	57	49	2A 44	00	00270 :MSG_TEXT U.25: .BYTE 0, 42	
														25 45 20	00272	
	20	47	45	40	77	45	40	52	52	45	53	4F	40 72 6F	20	00282 .ASCII \	
1	50	67	6E	69	73	6F 65	60	69	99	50	6F 61	72	6F 2C	23 25 70 00	00284 .ASCII \error closing quota file\ 00293 0029C :MSG_TEXT	;
								20	51	4B	53	49	44	25	0029E .ASCII \%DISKQ-\	
									52	52	45	54	43		002A5 .ASCII \E\ 002A6 .ASCII \-\ 002A7 .ASCII \ACTERR\	
	62	61	6E 65	65 60	20	6F 66	74	20	64	65 6F	6C 75	69	43 20 61 20	2D 41 2C 66	002AD .ASCII \ 002AF .ASCII \failed to enable quota file\	
			65	60	69	66	20	61	14	6F	13	71	2E	00	002BE 002CA .BLKB 2 002CC ;MSG_TEXT	•
								20	51	4B	53	49	44	25	002CE .ASCII \%DISKQ-\	- :
								52	52	45	54	43	41	-	002D5	
2	61	73 65	69	64	20	6F	74		64 6F	65	6C 71	69	41 20 61 65 2F	204	002DE .ASCII \.\ 002EO .ASCII \failed to disable quota file\	
		65	60	69	66	20	61	74	6F	75	71	20	2F	00	002FC :MSG_TEXT U.31: .BYTE 0, 47	•
								50	51	4B	53	49	44	25	002FE	
									52	52	45	44	44	2D 41	00306 .ASCII \-\ 00307 .ASCII \ADDERR\	
1	20	64	64 6E	61	20	6F 65	74 60	20	64	65	6C 61	69	20 61 6F	2D 41 2C 66 75	0030F .ASCII \failed to add quota file entry\ 0031E	
													34	00	00320 BLKB 3 00330 MSG_TEXT 0.33: BYTE 0, 52	
								20	51	4B	53	49	44	25	00332	
							52	52	45	56	4F	40	45	20	0033A .ASCII \-\ 0033B .ASCII \REMOVERR\	
5	6F	60	65	72	20 69	6F	74	20 61	64	65 6F	6C 75	69	45 20 61 20	2522654	00345 .ASCII \ failed to remove quota file entry\	
	0,	20	3,	50		00	20	٥.		0,	.,	79	72		00363 00366 BLKB 2 00368 MSG_TEXT	:
								20	51	40	52	40	35	00	U.55: .BYTE 0, 55	÷
								20	51	48	53	49	44	25 45	0036A ASCII \ZDISKQ-\ 00371 ASCII \E\	:

DI VO

15	KQU0	TA													H 11 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-74 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B3	2 2:1 Page 2
						52	52	45	59	46	49	44	4F	20	ASCII \-\ MODIFYERR\	1
6	69	64	6F	60	20	6F 66	74	20	64	65 6F	6C	69	20 20 72	4DC 66974	ASCII \failed to modify quota file	entry\
						-	-	•		0.		79			E BLKB 1	:
								20	51	48	53	49	33	00	U.37: BYTE 0, 51 ASCII \ZDISKQ-\	
								20	,	70	,,	7,		25 45 20	9 .ASCII \E\	
						52	52	45	4E	49	40	41	58 20 61 75	25	ASCII \=\ ASCII \EXAMINERR\ ASCII	
2	74	6E	65	20	65	78 60	69	66	20	6F	74	6E 6F	75	45 63 71 79	ASCII \cannot examine quota file en	tryl
													2F	03	8 :MSG_TEXT U.39: .BYTE 3, 47	
								20	51	48	53	49	44	25	A .ASCII \%DISKQ-\	1
										45	53	55	4E		ASCII \I\ ASCII \-\ ASCII \INUSE\	
1	20	73	61	68	20	5D 73	57 6B	4F 63	21 6F	ŞČ	57	4F	4E 20 21	29 20 58 55	A .ASCII \(!OW, !OW) has !UL blocks in	use\
)	"	20	OE	04	20	13	08	63	Or	00	02	20	46	65	9 .BLKB 3	1
								_					27	00	C :MSG_TEXT U.41: .BYTE 0, 39	:
								2D	51	48	55	49	44	45	ASCII \%DISKQ-\ 5	
								52	52	45	4B	43	4F 20		7 ASCII \LOCKERR\ E ASCII \.	
0	6B	63	6F	60	20	6F	74	20	65	65 6D	6¢ 75	69 60	4F 20 61 6F	4C 2C 66 76	ASCII \LOCKERR\ E .ASCII \ O .ASCII \failed to lock volume\ F .BLKB 3 8 :MSG_TEXT	
													28	00	5 .BLKB 3 8 :MSG_TEXT U.43: .BYTE 0, 43	
								20	51	4B	53	49	44	25	A ASCII \ZDISKQ-\ 1 ASCII \E\	
						52	52	45	48	43	4F	40	4E 20	25 45 25 25 26 68	ASCII \-\ SASCII \UNLOCKERR\	
3	6F	60	6E	75	20	6F	74	20 60	64	65 60	6C 6F	69	61	66 6B	U	
													3B	00	8 :MSG_TEXT U.45: .BYTE 0, 59	
								20	51	48	53	49	44	25	U.45: .BYTE 0, 59 .ASCII \%DISKQ-\ 1	
								53	40	45	56	58	41	25 25 20 20 20 26	2 .ASCII \-\	
0	73	61	68	20	74	65	73	20	65	60	75	60	6F	76	ASCII \MAXVOLS\ A .ASCII \ C .ASCII \volume set has too many volume.	mes to handl\ :

SKQU 4-00	ATOL													I 11 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1	Page (
60	75	60	6F	76 60	20 64	79 6E	6E 61	61 68	6D 20	20 6F	6F 74	6F 20	74 73 65	0048B 0049A 004A4 .ASCII \e\ 004A5 .BLKB 3	-
												46	01	004AB ;MSG_TEXT	
							50	51	48	53	49	44	25	004AA .ASCII \%DISKQ-\	
					46	58	45	44	4E	49	43	43	41	004B1 .ASCII \E\ 004B2 .ASCII \-\ 004B3 .ASCII \ACCINDEXF\	
65	63	63	61	20	6F 66	74	20	64	65	6C 6E	69	61	66 73	004BE .ASCII \failed to access index file on relative \	
				20 69 20 57	66 65 55	74 20 76 21	78 69 20	65 74 65	65 64 61 6D	6E 6C 75	69 65 60	450 61 27 6F 28	26 73 76 00	004DC 004E6 .ASCII \volume !UW\	
							20	51	48	53	49	44		004F0 :MSG_TEXT 0.49: .BYTE 0, 46 004F2 .ASCII \ZDISKQ-\ 004F9 .ASCII \E\	
													25 25 20	004FA .ASCII \-\	
65	42	47	41	20	40	45	40	49	46	51	43	43 20 61 20	41 20	004FB .ASCII \ACCQFILE\ 00503 .ASCII \	
0.	63	65	60	69	6F 66	20	61	74	65 6F	75	69 71	20	2D 41 2C 66 73	00505 .ASCII \failed to access quota file\ 00514 00520 ;MSG_TEXT	:
							20	51	4B	53	49	44	25	00522 .ASCII \%DISKQ-\	:
					52	52	45	52	41	54	4F	55		00529 .ASCII \E\ 0052A .ASCII \-\ 0052B .ASCII \QUOTARERR\	
64	61	65	72	20	72	6F	72 74	72	65	20	4F	55 20 2F 67	2D 51 2C 49 6E	00534 .ASCII \i/O error reading quota file\	
	65	60	69	66	20	61	74	6F	75	71	20	67 4E		00545 00552	•
							20	51	4B	53	49	44	25	00554 :MSG_TEXT 00556	1
													242424669512	0033E .M3CII \-\	
64	61	65	72	20	52 72	52 6F	72	50 72	65	4D 20	54 4F	20	50	0055F .ASCII \BITMAPERR\ 00568 .ASCII \.\ 0056A .ASCII \I/O error reading index file bitmap on r\	
20			69	20 66 72 6F	20 20 76	6F 78 6E 20	72 65 65 65	72 64 20 76	65 6E 70 69	20 69 61 74	4F 20 6D 61 57	490 267 405 654 654	6E	00374	
65	6D	75	60	6F	76	20	65	76	69	74	61 57	6C 55	21	00588 00592 .ASCII \elative volume !UW\ 005A1 005A4 :MSG_TEXT	
							20	51	4B	53	49	44		005A6 .ASCII \%DISKQ-\	1
													25 57 20	005AD .ASCII \W\ 005AE .ASCII \-\	
41	4 41	45	72	20	52	52	45	52	45	20	41	20 2F 67	28 29 621	005AF .ASCII \HEADERERR\ 005BA .ASCII \I/O error reading file header !UL on rel\	
72	65	64	61	65 60 75	68	6F	65 20 76	6C 6E 20	65 69 65	20 20 20	4F 20 4C	67	6É	005C9 005D8	
21	20	65	60	75	60	6F	76	20	65	76	69	74	61	005E2 .ASCII \ative volume !UW\	:

DIO

D15	-000	TA													15-Sep-19 14-Sep-19	84 23:38 84 12:19	3:38 VAX-11 BLiss-32 V4.0-742 Pa 0:46 [DISKQ.SRC]DISKQUOTA.B32;1	age (
													34	57 00	005F1 005F2 005F4 :MSG_TE U.57:	BLKB BYTE ASCII	2 0,52 \\$DISKQ-\	:
								2D	51	48	53	49	44	25	005FD	.ASCII	\E\	
							43	46	40	40	41	40	45	40	005FF	.ASCII .ASCII .ASCII	MEMALLOC\	
65 60	74 65	61 6D	63	6F 74	6C 6E	6C 65	61	20	74 69	6F 66	6E 66	6E 75 79	20 61 73 72	20 20 20 60 60 61	00609 00618 00627		\cannot allocate sufficient memory\	
													44	01	0062C :MSG_TE	BLKB	2	
								20	51	48	53	49	44	25	0062E 00635	ASCII ASCII ASCII ASCII ASCII ASCII	1,68 \\$DISKQ-\ \E\	
						48	43	4F	40	42	45	40	4F	48	00637	:ASCII	HOMEBLOCK\	
20 72	64 20	61 6E	65 6F	72 20	20 6B 6F	6F 63 76	74 6F 20 57	20 60 65 55	64 62 76 21	65 20 69 20	60 65 74 65	69 60 61	4F 20 6F 6F 6C 75	208 206 685 605 605	00640 00642 00651 00660	:ASCII	\failed to read home block on relative vo\	
							57	55	21	20	65	60	75	60	0066A 00672	.ASCII	\lume !UW\	:
													32	01	00674 :MSG_TE	BYTE	1, 50	:
								2D	51	48	53	49	44	25	00676 0067D	.ASCII	1,50 \\$DISKQ-\ \E\	
						54	49	4E	49	5F	50	40	45	20 48 20 66 701	0067E	.ASCII	HELP_INITY	:
62	69	60	20	70 20	60	65	68 64	20 6E	64	65	6C 79	69 72	45 20 61 61	66	0068A	.ASCII	\failed help library index init\	
4	07	OE	07	20	10	0)	04	OE	07	20	19	16	2F	61	00699 00648 :MSG_TE U.63:	XT	1 47	:
								20	51	48	53	49	44	25	006AA 006B1	.BYTE .ASCII .ASCII .ASCII .ASCII .ASCII	1, 47 \\$DISKQ-\ \E\	
						4E	45	50	4F	5F	50	40	45	25 25 28 26 68	006B2 006B3	.ASCII	\-\ \HELP_OPEN\	
20	6E	65	70 79	6F	20		74	20	64	65	60	69	45 20 61 65	96 50	006BC 006BE	.ASCII	\failed to open help library\	:
			79	72	61	72	62	69	60	20	70	60			006CD 006D9 006DC :MSG_TE	.BLKB	3	:
								20			.,		2E	01	U.65:	.BYTE	1 46 *DISKQ-\	:
								20	51	4B	53	49	44	45	006DE 006E5	ASCII	\E\\-\	
						54	58	45	54	5F	50	40	45	48	006E7	.BYTE .ASCII .ASCII .ASCII .ASCII .ASCII	HELP_TEXT	
73	65	63	63	61	20 78	6F 65	74	20	70	65	6C 65	68	45 20 61 20	25 25 26 26 26 73	006E6 006E7 006F0 006F2 00701	.ASCII	'failed to access help text\	
																.PSECT	\$PLIT\$,NOWRT,NOEXE,2	
DE	OD	00	08	OA	09	08	07	06	05	04	03	02	01	00	00000 P.AAC:	.BYTE	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, -	:

```
K 11
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                                                                                             VAX-11 Bliss-32 V4.0-742
[DISKQ.SRCJDISKQUOTA.B32;1
                                                                                                                                                       0000F
0001E
0002D
0003C
0004B
0005A
00069
00087
00084
000C3
000D2
000F0
000FF
                                       1234545210FEDCBA
10CBA987654321647E
                                                            1234545001234548
                                                                                12345647012345876
                                                                                                                                   1123454501234545
1123454501234545
                                                                                                                                             01234545012345457
01234545012345457
         12345876543210FED
                    12345450123445EDC
                              123454543210FEDCB
                                                  1234545210FEDCBA9
                                                                      12345210FEDCBA987
                                                                                          1234554701234545
                                                                                                    1233454701234543
                                                                                                                         1223454545012345452
                                                                                                                                                                                                                                                                        12345678978
12345678978
12345678678678678
                                                                                                                                                                                                                                                    48.
588.
66.
786.
786.
786.
781.
781.
781.
789.
899.
                                                                                                                                                                                                              5.6.7, 11
26.27, 21
36.37, 31
46,47,41
56.57,51
66.67,61
77,78
86.87,81
96.65.60
74.75.80
125.126.
                                                                                                                                                                                                                                                                                     43,
533,
733,
833,
71,
8123,
                                                                                                                                                                                                                                                                                                         45,
55,
65,
75,
85,
73,
83,
                                                                                                                                                       00100 P.AAE:
00106
00108 P.AAD:
0010C
                                                                                                                                                                                          .ASCII
.BLKB
.LONG
                                                                                           3E
                                                                                                    51
                                                                                                               4B
                                                                                                                                  49 44
                                                                                                                              00000000
                                                                                                                                                                                                              6
                                                                                                                                                                                           .ADDRESS P.AAE
                                                                                                                                                                                           .PSECT SOWNS, NOEXE, 2
                                                                                                                                                       00000 CHANNEL: BLKB
                                                                                                                                                                                            .BLKB
                                                                                                                                                        00004 10_STATUS:
                                                                                                                                                        OOOOC COMMAND
                                                                                                                                                                                         LINE:
                                                                                                                                                                                                              132
                                                                                                                                                                                            BLKB
                                                                                                                                                       00090 OUTPUT_LINE:
                                                                                                                                                                                                               132
                                                                                                                                                                                            BLKB
                                                                                                                              00009084
                                                                                                                                                       00114 COMMAND
                                                                                                                                                                                           LONG 132
ADDRESS COMMAND_LINE
                                                                                                                              00000000
                                                                                                                                                       00118 OUTPUT_DESC:
                                                                                                                                                       OO120 .ADDRESS OUTPUT_LINE
OO124 EXIT_HNDLR_DESC:
BEKB 20
                                                                                                                              00000000
                                                                                                                                                       00138 ZERO_AREA:
                                                                                                                                                       00138 CLEANUP_FLAGS:
BLKB
0013C SRC_REC: BLKB
0015C DST_REC: BLKB
0017C QUOTA_FIB:
                                                                                                                                                       001BC UIC_FLAGS:
```

D

00450000

STATUS #4521984

#2. LIB\$SIGNAL

PUSHL CALLS

00064

V

0610

DISKQUOTA VO4-000								1	M 11 5-Sep 4-Sep	p-1984 23:38:38
00000000	EF	00		56		56	70 2E	00067 0006A	3\$:	MOVO COMMAND DESC. R6 MOVTC R6, (R77, #0, UPCASE_TABLE, R6, (R7) : 061
		58		56 67 56 20	FF	57 A8 04 58	C1 91	00075 00079 00070	45:	ADDL3 R7, R6, P
						58	D?	0007F 00081		BRB 4\$
0004	8F	6A 00		58 6E	~	57	20	00083	5\$:	SUBL3 R7, P. COMMAND DESC MOVC5 WO. (SP), WO, 7196, ZERO_AREA : 062
			0108	CA	00000000 00000000 0100	64	70 9F 9F	0008E 00090 00095 0009B 000A1		MOVQ COMMAND DESC, TPARSE_BLOCK+8 PUSHAB KEY_TABLE PUSHAB STATE_TABLE PUSHAB TPARSE_BLOCK CALLS #3, LIB\$TPARSE MOVL RO, STATUS BLBS STATUS, 7\$ CMPL STATUS, #LIB\$_SYNTAXERR BNEQ 6\$ MOVL #4522032 STATUS
			0000000G	00	0100	03	9 FB	000A5		PUSHAB TPARSE BLOCK CALLS #3, LIBSTPARSE MOVE RO. STATUS
			0000000G	35 8F		59	E8	000AC 000AF 000B2 000B9		BLBS STATUS, 7\$: 062 CMPL STATUS, #LIB\$_SYNTAXERR : 062
				59 50	00450030 0110 0100		DO	000BB	6\$:	BNEQ 6\$ MOVL #4522032, STATUS MOVL TPARSE_BLOCK+16, RO PUSHAB aTPARSE_BLOCK+12[RO] SUBL3 RO, TPARSE_BLOCK+8, -(SP) PUSHL TPARSE_BLOCK+20 PUSHL RO PUSHL COMMAND_DESC+4 SUBL3 COMMAND_DESC+4, TPARSE_BLOCK+20, -(SP) PUSHL STATUS CALLS #7, LIB\$SIGNAL
		76	0108	CA	0114	50	0 00	000CC 000D2 000D6		SUBL3 RO, TPARSE_BLOCK+8, -(SP) PUSHL TPARSE_BLOCK+20 PUSHL RO
		76	0114	CA	04	A/ 59 07	00 00 00	OOODB		PUSHL RO PUSHL COMMAND_DESC+4 SUBL3 COMMAND_DESC+4, TPARSE_BLOCK+20, -(SP) PUSHL STATUS CALLS #7, LIB\$SIGNAL PBS #1, CLEANUP_FLAGS, 8\$
		03	24	6B		07	FB	000E4	75:	DD3 WI LLEANUF LLAUS, DD
				50		FF48	D0	000EC	8\$:	BRW 15 MOVL #1, RO : 064 RET
						76	0000	000F2 000F3 000F5 000F7	9\$:	WORD Save nothing (CLRL -(SP) PUSHL SP
			0000000v	7E EF	04	7E 5E AC 03	70 FB 04	000F9		MOVQ 4(AP), -(SP) CALLS #3, MAIN_HANDLER RET

DI VO

; Routine Size: 261 bytes, Routine Base: \$CODE\$ + 0000

```
DISKQUOTA
VO4-000
                                                                                                                                                                           VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
     6534565578
655578
6665666666666666667773456
                              Minor action routines to help out with parsing
                                                  Give invalid command status
                                              ROUTINE INV_COMMAND =
                                              BEGIN
TPARSE_ARGS;
                                             ERR_EXIT ((IF .TPARSE_BLOCK[TPA$V_AMBIG]
THEN DSKQ$_AMB_CMD
ELSE DSKQ$_INV_CMD),
.TPARSE_BLOCK[TPA$L_TOKENPTR] - .COMMAND_DESC[1],
.COMMAND_DESC[1],
.TPARSE_BLOCK[TPA$L_TOKENCNT],
.TPARSE_BLOCK[TPA$L_TOKENCNT],
.TPARSE_BLOCK[TPA$L_STRINGCNT],
.TPARSE_BLOCK[TPA$L_STRINGCNT],
.TPARSE_BLOCK[TPA$L_STRINGCNT],
                               0663
                               0664
                               0665
                              0666
                               0667
                               0668
                                          1 END;
                               0670
                                                                                                           0004 00000 INV_COMMAND:
                                                                                                                                                               Save R2

COMMAND_DESC+4, R2

8(TPARSE_BLOCK), -(SP)

16(TPARSE_BLOCK), -(SP)

COMMAND_DESC+4

COMMAND_DESC+4, 20(TPARSE_BLOCK), -(SP)

6(TPARSE_BLOCK), 1$

#4522000
                                                                                                                                                .WORD
                                                                                                                                                                                                                                                         0655
                                                                                 00000000
                                                                                                                     00009
                                                                                                                                                PVOM
                                                                                                                                                                                                                                                         0669
                                                                                                                     00000
                                                                                                       AC 62 62 AC 8F 06 8F 07
                                                                                                                                                MOVO
                                                                                                                    00011
                                                                                                                                                PUSHL
                                                7E
                                                                  14
                                                                                                                                                SUBL 3
                                                                                                                    00018
00010
00022
00024
0002A
                                                                                 00450010
                                                                                                                                                BLBC
                                                                                                                                                PUSHL
                                                                                                                                                BRB
                                                                                  00450008
                                                                                                                                                PUSHL
                                                                                                                                                                #4521992
                                                                                                                                                CALLS
                                                      0000000G
                                                                                                                                                                #7, LIB$STOP
                                                                                                                                                                                                                                                         0670
; Routine Size: 50 bytes,
                                                          Routine Base: $CODE$ + 0105
     677
678
679
                              0671
0673
0674
0675
0676
0677
0678
0679
0680
                                                  Give invalid switch status
     680
681
682
683
684
685
686
687
                                              ROUTINE INV_SWITCH =
                                              TPARSE_ARGS;
                                              ERR_EXIT ((IF .TPARSE_BLOCK[TPA$V_AMBIG]
```

D

```
DISKQUOTA
VO4-000
                                                                                                                                                                               VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                                                                                        Page
                                                                    THEN DSKQ$_AMB_QUAL
ELSE DSKQ$_INV_QUAL),
.TPARSE_BLOCK[TPA$L_TOKENPTR] - .COMMAND_DESC[1],
.COMMAND_DESC[1],
.TPARSE_BLOCK[TPA$L_TOKENCNT],
.TPARSE_BLOCK[TPA$L_TOKENPTR],
.TPARSE_BLOCK[TPA$L_STRINGCNT],
.TPARSE_BLOCK[TPA$L_STRINGCNT],
     688
689
690
691
693
694
696
697
                                               END:
                                                                                                              0004 00000 INV_SWITCH:
                                                                                                                                                                   Save R2

COMMAND_DESC+4, R2

8(TPARSE_BLOCK), -(SP)

16(TPARSE_BLOCK), -(SP)

COMMAND_DESC+4

COMMAND_DESC+4, 20(TPARSE_BLOCK), -(SP)

6(TPARSE_BLOCK), 1$

#4522016
                                                                                                                                                     . WORD
                                                                                                                                                                                                                                                                0676
                                                                                                                  9E
7D
7D
                                                                                                                        00002
                                                                                                                                                    MOVAB
                                                                                                                                                                                                                                                                0690
                                                                                                          AC 62 62 AC 8 06 8 07
                                                                                                                                                    MOVO
                                                                                                                        00000
                                                                                                                                                    MOVO
                                                                                                                  DD 39 DD 11 DD 804
                                                                                                                        00011
                                                                                                                                                    PUSH
                                                  7E
                                                                                                                        00013
                                                                              AC
08
                                                                                                                                                    SUBL 3
                                                                                    00450020
                                                                                                                       0001C
00022
00024 1$:
0002A 2$:
                                                                                                                                                    PUSHL
                                                                                                                                                    BRB
PUSHL
                                                                                                                                                                    #4522008
                                                                                    00450018
                                                        0000000G
                                                                                                                                                    CALLS
                                                                                                                                                                    #7. LIB$STOP
                                                                                                                                                                                                                                                                0691
; Routine Size: 50 bytes.
                                                           Routine Base: $CODE$ + 0137
     698
      699
      700
                                                   Save the HELP key descriptor in the key descriptor vector.
     701
702
703
704
705
706
707
708
709
710
711
                                               ROUTINE SAVE_KEY =
                                               BEGIN
                                                IF .KEY_INDEX LEQ (MAX_KEYS - 2)
                                                                                                                                           ! check for too many keys
                                0702
0703
                                                       BEGIN

KEY_VECTOR[.KEY_INDEX] = .TPARSE_BLOCK[TPA$L_TOKENCNT];

KEY_VECTOR[.KEY_INDEX+1] = .TPARSE_BLOCK[TPA$L_TOKENPTR];

KEY_INDEX = .KEY_INDEX+2;

END;
                                0704
0705
                                           3
2
1
1 END;
```

Save R2

D13

D15KQUOTA V04-000		C 12 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32:1	Page 34 (7)
	52 00000000° 50 00 C8 A240 20 CC A240 30 62 50	EF 9E 00002	0701 0704 0705 0706 0709

; Routine Size: 36 bytes, Routine Base: \$CODE\$ + 0169

: F

! end of routine USE_DEFAULT

END:

Page 35 (8)

Page 36

: 0710

VO

.....

.PSECT \$PLIT\$, NOWRT, NOEXE, 2

3A 4B 53 49 44 24 53 59 53 00110 P.AAF: .ASCII \SYS\$DISK:\

.PSECT \$CODE\$, NOWRT, 2

00000000v	52 60 62 A2 EF	00000000° 0015 00000000°	CF O9 EF A2	04 00000 9E 00002 DE 00009 DO 0000E 9E 00011 FA 00019		MOVAB MOVAL MOVAL MOVAB CALLG RET	USE DEFAULT, Save R2 TPARSE BLOCK+16, R2 1\$, (FP) #9, TPARSE BLOCK+16 P.AAF, TPARSE_BLOCK+20 TPARSE_BLOCK, ACT_USE
00000000v	7E EF	04	7E 00	000 00022 04 00024 00 00026 70 00028 FB 00020 04 00033	15:	CLRL PUSHL MOVQ CALLS RET	Save nothing -(SP) SP 4(AP), -(SP) #3, DEF_HANDLER

; Routine Size: 52 bytes, Routine Base: \$CODE\$ + 018D

:

VO

6 12 15-Sep-1984 23:38:38 14-Sep-1984 12:19:46

VAX-11 Bliss-32 V4.0-742 EDISKO.SRCJDISKQUOTA.B32:1 Page 38 (9)

DI VO

; Routine Size: 12 bytes, Routine Base: \$CODE\$ + 01C1

DI VO

(10)

```
DISKQUOTA
VO4-000
                                                                                                                                                                                                                                 (10)
    IF .CHANNEL NEQ 0
THEN $DASSGN (CHAN = .CHANNEL);
CHANNEL = 0;
                           0875
0876
0877
0878
08879
08887
08883
08884
08888
08889
0891
0896
0897
                                         RESULT[0] = BUFFER_LEN;
RESULT[1] = STRING_BUFFER;
NAME_DESC[0] = .TPARSE_BLOCK[TPA$L_TOKENCNT]; ! get initial logical name
NAME_DESC[1] = STRING_BUFFER;
CH$COPY (.TPARSE_BLOCK[TPA$L_TOKENCNT], .TPARSE_BLOCK[TPA$L_TOKENPTR], 0, .RESULT[0], .RESULT[1]);
                                         IF BEGIN
DECR N FROM 10 TO 1 DO
                                                BEGIN
P = CH$FIND CH (.NAME_DESC[0], .NAME_DESC[1], ':');
IF NOT CH$FAIL (.P)
                                                        BEGIN
                                                       IF .P - .NAME_DESC[1] LSSU .NAME_DESC[0] - 1
AND .(.P)<0.16> EQL '::
THEN ERR_EXIT (DSKQ$_NONLOCAL);
NAME_DESC[0] = .P - .NAME_DESC[1];
                                                 IF CHSRCHAR (.NAME_DESC[1]) EQL '_'
                                                 THEN EXITLOOP 0:
                            0898
                                                STATUS = $TRNLOG (LOGNAM = NAME_DESC[0],

RSLLEN = NAME_DESC[0],

RSLBUF = RESULT[0]);

IF .STATUS EQL SS$ NOTRAN THEN EXITLOOP 0;

IF NOT .STATUS THEN ERR_EXIT (.STATUS);
                           END
                                         THEN ERR_EXIT (DSKQ$_NOTRAN);
                                         RESULT[0] = .NAME_DESC[0];
                                            Now assign a channel to the device name.
                                          STATUS = $ASSIGN (DEVNAM = RESULT[0], CHAN = CHANNEL);
                                          IF NOT .STATUS
                                          THEN ERR_EXIT (.STATUS);
                                      1 END;
                                                                                                               ! end of routine ACT_USE
                                                                                                                                  .EXTRN
                                                                                                                                                SYS$DASSGN, SYS$TRNLOG
                                                                                                                                   .EXTRN
                                                                                                                                                SYS$ASSIGN
                                                                                            OFC 00000
EF 9E 00002
                                                                                                                                   ENTRY
                                                                                                                                               ACT_USE. Save R2,R3,R4,R5,R6,R7 CHARNEL, R7
                                                                                                                                                                                                                             : 0814
```

MOVAB

57 000000000

DI VO

DISKQUOTA VO4-000								15	-Sep-	1984 23:38 1984 12:19	:38	VAX-11 Bliss-32 V4.0-742 [DISKQ.SRC]DISKQUOTA.B32;1	Page 41 (10)
				56 5E 50	00000000G B0	00 AE 67 09	9E 3C	00009 00010 00014 00017		MOVAB MOVZWL BEQL PUSHL CALLS CLRW MOVZBL MOVAB MOVL MOVAB MOVCS	-80 C	STOP, R6 SP), SP INEL, RO	0873
			00000000	00		5Ó	DD	00014 00017 00019 0001B		PUSHL	RO #1,	SYSSDASSGN	: 0874
			40		40	67 8F	84 94	00022	1\$:	MOVZBL	CHAN	SYS\$DASSGN INEL RESULT	0875
			44 48 40 14	AE AE AE BC	10	6E	9E	00029		MOVAB	STRI 16(T	RESULT NG BUFFER, RESULT+4 PARSE_BLOCK), NAME_DESC	: 0878
40	AE		00 14	BC	10	AC AC BE OA	9E	00032 00036		MOVAB MOVC5	STRI 16(T	PARSE BLOCK), NAME DESC PARSE BLOCK), NAME DESC PARSE BLOCK), 020(TPARSE_BLOCK), #0, - JLT, 0RESULT+4 NAME DESC. 2NAME DESC.	0875 0877 0878 0879 0880 0881
		,,	05 /0	54 AE	44	OA	D0	0003E	20.		#10,	N NAME DESC. SHAME DESC.	0884
		40	BE 48	AE		02	12	00049	2\$:	MOVL LOCC BNEQ CLRL MOVL BEQL SUBL3 CMPL BGEQU CMPW BNEQ PUSHL CALLS	3\$ R1	NAME_DESC, aNAME_DESC+4	: 0886
				55		51	D0	0004b 00050	3\$:	MOVL	R1.	P	0887
			52 48	55 AE 50	40	AE 01	C3	00050 00052 00057 0005C 0005F		SUBL3 SUBL3	NAME	DFSC+4. P. R2	0887
						52	D1	0005C		BGEQU	R2.	NAME_DESC. RO	1
			3A3A	8F	00150070	09	B1	00061		BNEQ	45	w14906	0891
			/0	66	00450038	09 8F 01 52	FB			CALLS	#1.	2040 LIB\$STOP	0892
			48 5F	66 AE 8F	40	BE 34	91 13		4\$: 5\$:	MOVL CMPB BEQL	anam 7\$	NAME_DESC NE_DESC+4, #95	0893
						7E 7E	70	00075 0007A 0007C 00080 00083 00086 00089 00090 0009A 0009C 0009F 000A1		CLRQ	-(SP		0901
					4C 58 5C	AE AE AE	9F	00080		CLRL PUSHAB PUSHAB	RESU	JLT DESC	
			00000000	00	50	AE 06	9F	00086 00089		PLISHAR	MAME	TOESC SYS\$TRNLOG	
			00000629	53 8F		50 53	D0	00090		MOVL	STÁT	US, #1577	: 0902
				05		53	E8	0009A		CALLS MOVL CMPL BEQL BLBS PUSHL CALLS SOBGTR PUSHL CALLS	STAT	US, 6\$	0903
				66 90		01	FB	000A1	48.	CALLS	#1.	LIB\$STOP	0884
					00450040	8F	PD	000A7		PUSHL	#452	2048 LIB\$STOP	0884
			40	AE	48	AE 7E	70	000B0 000B5	7\$:	MOVL	NAME -(SP	DESC, RESULT	0908
					40	57 AE 04	DD 9F	000B7 000B9		PUSHAB	R7 RESU	JLT	
			000000000	53 05		50	DO	000BC		MOVL	RO.	SYSSASSIGN STATUS	0014
						53	00			MOVL CLRQ PUSHL PUSHAB CALLS MOVL BLBS PUSHL CALLS	STAT	DESC DESC SYS\$TRNLOG STATUS US, #1577 US, 6\$ US LIB\$STOP DESC, RESULT JLT SYS\$ASSIGN STATUS US, 8\$ US LIB\$STOP	0914
				50		01	F B D 0	000CE	8\$:	MOVL	#1:	RO	0919

K 12 15-Sep-1984 23:38:38 VAX-11 BLiss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1

DI VO

; Routine Size: 210 bytes, Routine Base: \$CODE\$ + 01CD

```
DISKQUOTA
VO4-000
                                                                                                                VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
                                                                                                                                                                   (11)
                    GLOBAL ROUTINE ACT_CREATE =
   Functional Description:
                                         This action routine implements the CREATE command. It creates the disk quota file and activates it.
                                 Calling Sequence:
                                 Input Parameters:
                                        none
                                 Implicit Inputs:
                                        none
                                 Output Parameters:
                                        none
                                 Implicit Outputs:
                                        none
                                 Routines Called:
                                        none
                                 Routine Value:
                                        none
                                 Signals:
                                        none
                                 Side Effects:
                                        none
                              BEGIN
                                                             = UPLIT (1, 0, 0, 1000, 100, REP 123 OF (0));
                              BIND
                                         OF ILE_DATA
                              PSECT
                                         PLIT
                                                             = SOWNS:
                                                             = UPLIT (WORD (FATSC_LENGTH, ATR$C_RECATTR),
UPLIT (BYTE (FAT$C_FIXED, 0), WORD (DQF$C_LENGTH),
1*16, 2*16, WORD (0, 0, DQF$C_LENGTH, 0)),
                              BIND
                                         CREATE_ATTRIB
                                                                       0);
                              PSECT
                                         PLIT
                                                             = $PLITS:
                               LOCAL
                                         STATUS:
                                                                                  ! general status value
```

DI

Page 44 (11)

```
M 12
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
   987
988
989
990
991
992
993
994
995
996
997
998
1000
1001
1002
1003
1006
1007
1008
1009
                                                    Verify that a channel is open.
                               0980
0981
0982
0983
0984
0985
0986
0987
0988
0999
0991
0993
0996
0997
0998
                                                IF . CHANNEL EQL O
THEN ERR_EXIT (DSKQS_NODEVICE);
                                                 ! Create the quota file.
                                               QUOTA_FIB[FIB$W_DID_NUM] = FID$C_MFD;
QUOTA_FIB[FIB$W_DID_SEQ] = FID$C_MFD;
QUOTA_FIB[FIB$W_DID_RVN] = 1;
QUOTA_FIB[FIB$L_ACCTL] = FIB$M_WRITE OR FIB$M_NOREAD;
QUOTA_FIB[FIB$W_EXCTL] = FIB$M_EXTEND OR FIB$M_ALCON OR FIB$M_FILCON;
QUOTA_FIB[FIB$L_EXSZ] = 1;
QUOTA_FIB[FIB$B_ALALIGN] = FIB$C_LBN;
QUOTA_FIB[FIB$W_LOC_RVN] = 1;
                                                STATUS = $QIOW (CHAN = .CHANNEL,

FUNC = IOS_CREATE OR IOSM_CREATE OR IOSM_ACCESS,

IOSB = IO_STATUS,
                                                                                           = QFTB_DESC
   1010
                               1000
1001
1002
1003
1004
1005
1006
1007
1008
1010
1011
1012
1013
1014
1015
                                                                                           = GFILE NAME
= CREATE_ATTRIB
   1011
   1012
                                                IF .STATUS THEN STATUS = .10_STATUS[0];
IF NOT .STATUS
   1014
   1015
   1016
                                                THEN ERR_EXIT (DSKQS_CREATERR, .STATUS);
   1018
                                                    Write the initial data block and close the file.
   1019
   1020
1021
1022
1023
1024
1025
1026
1027
1028
1031
1032
1033
1034
                                                STATUS = $010W (CHAN = .CHANNEL
                            99999
                                                                                 FUNC = 10$ WRITEVBLK,
10SB = 10_STATUS,
                                                                                          = OFTLE_DATA,
                                                                                           = 512.
                                1016
                                                IF .STATUS THEN STOUS = .10_STATUS[0];
IF NOT .STATUS
                                1018
                               1020
1021
1022
1023
1024
1025
1026
1027
1030
1031
                                                THEN ERR_EXIT (DSKQS_INITERR, .STATUS);
                                                STATUS = $910W (CHAN = .CHANNEL,
FUNC = 10$ DEACCESS,
10SB = 10_STATUS
   1036
                                                 IF .STATUS THEN STATUS = .10_STATUS[0];
IF NOT .STATUS
    1038
                                                 THEN ERR_EXIT (DSKQS_CLOSERR, .STATUS);
    1039
    1040
1041
1042
1043
                                                    Now activate the quota file.
```

QUOTA_FIB[FIB\$W_DID_NUM] = 0;

```
DISKQUOTA
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VAX-11 Bliss-32 V4.0-742
EDISKQ.SRCJDISKQUOTA.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (11)
                                                                                                                                                      QUOTA_FIB[FIB$W_DID_SEQ] = 0;
QUOTA_FIB[FIB$W_DID_RVN] = 0;
QUOTA_FIB[FIB$W_CNTRLFUNC] = FIB$C_ENA_QUOTA;
QUOTA_FIB[FIB$L_CNTRLVAL] = 0;
STATUS = $QIOW (CHAN = .CHANNEL,
FUNC = IO$_ACPCONTROL,
IOSB = IO_STATUS,
P1 = QFIB_DESC
           1044
1045
1046
1047
1048
1050
1051
1055
1055
1056
1057
                                                                                                    1034
1035
1036
1037
1038
1040
1043
1044
1046
1048
                                                                                                                                                      IF .STATUS THEN STATUS = .10_STATUS[0];
IF NOT .STATUS
THEN ERR_EXIT (DSKQ$_ACTERR, .STATUS);
                                                                                                                                                      END:
                                                                                                                                                                                                                                                                                                                                                                                                                      ! end of routine ACT_CREATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .BLKB
                                                                                                                              000003E8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0, 1000, 100
                                                               00000064
                                                                                                                                                                                            00000000
                                                                                                                                                                                                                                                            00000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .LONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .PSECT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOWNS, NOEXE, 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /TE 1, 0
ORD 32
LONG 65536, 131072
WORD 0, 0, 32, 0
WORD 32, 4
ADDRESS P.AAI
LONG 0
P.AAG
                                                                                                                                                                                                                                                                                                                                                                                           0024C P.AAI:
0024E
00250
00258
00260 P.AAH:
00264
00268
                                                                                                                                                                                                                                                                                                           0020
00010000
0000 0000
0004 0020
00000000
                                                                                                                                                                                                                                    0000 0020 0
                                                                                                                                                                                                                                                                                                                                                                                                                                  OFILE DATA=
CREATE_ATTRIB=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                P.AAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .EXTRN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SYSSOIOW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .PSECT $CODE$, NOWRT, 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACT CREATE, Save R2,R3,R4,R5
SYS$QIOW, R5
LIB$STOP, R4
IO_STATUS, R3
CHANNEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .ENTRY
MOVAB
MOVAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0920
                                                                                                                                                                                                                                                                                                                                                             003CEEE52DE 900CEE52DE 900CEE52DE
                                                                                                                                                                                                                                                                         000000006
000000006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOVAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BNEQ
PUSHL
CALLS
MOVL
MOVZWL
MOVZWL
MOVZBW
MOVL
MOVB
MOVW
CLRL
PUSHAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1$
#4522056
#1, LIB$STOP
#262148, QUOTA_FIB+10
#1, QUOTA_FIB+T4
#1280, QUOTA_FIB
#133, QUOTA_FIB+22
#1, QUOTA_FIB+24
#2, QUOTA_FIB+33
#1, QUOTA_FIB+38
-($P)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0983
                                                                                                                                                                                                                                                                            00450048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0588
0990
0991
0992
0993
0994
0995
1003
                                                                                                                                                                                                                                                                            00040004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -(SP)
                                                                                                                                                                                                                                                                                                     0250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CREATE_ATTRIB
```

DI VO

			15-Sep-19 14-Sep-19	84 23:38 84 12:19	:38 V	AX-11 Bliss-32 V4.0-74 DISKQ.SRCJDISKQUOTA.B3	2:1	Page 46 (11)
	024	0 C3 9	7C 00055 9F 00057 9F 0005B 7C 0005F 0D 00061	CLRQ PUSHAB PUSHAB CLRQ	GFILE NO	AME SC		
	7E F	3 8F 9	0D 00061 9A 00063 3C 00067 04 00068	PUSHAB PUSHAB CLRQ PUSHL MOVZBL MOVZWL CLRI	#243, - CHANNEL	(SP) , -(SP)		
	65 52 06 52 08	08 3C C C C C C C C C C C C C C C C C C C	7C 00055 9F 0005B 7C 0005F 0D 00061 9A 0006B 6B 0006D 0D 00070 EB 00070 EB 00076 EB 00076 EB 00076 EB 00076 EB 00076 EB 00087 7C 00087 7C 00087 7C 00087 7C 00087 7C 00097 0D 00099	CLRL CALLS MOV! BLBC MOVZWL BLBS	W12, SYS RO, STA STATUS, IO STATUS, STATUS,	S\$QIOW TUS 2\$ US, STATUS 3\$ STOP		1004
	64 0045005	0 8F 0	D 0007E B 00084	PUSHL	#4522064 #2, LIB	STOP		1006
	7E 020	01 7 00 8F 3	7C 00087 3\$: 7D 00089 3C 0008C 9F 00091 7C 00097	BLBS PUSHL PUSHL CALLS CLRQ MOVZWL PUSHAB CLRQ PUSHL PUSHL MOVZWL	#512, - QFILE_D/ -(SP)	P) (SP) ATA		1017
	7E F	C A3 3	DD 00099 DD 0009B SC 0009D	PUSHL PUSHL MOVZWL	#48	(00)		
	65 52 06 52 08	7E D 50 F 52 E 53 E	7C 00097 DD 00098 SC 0009D 04 000A1 FB 000A3 DO 000A6 E9 000A9 SC 000AC	CLRL CALLS MOVL BLBC MOVZWL BLBS PUSHL PUSHL	-(SP) #12, SY: RO, STATUS, IO STATUS, STATUS, STATUS, #4522077 #2, LIBS	S\$Q10W TUS 4\$ US, STATUS		1018 1019 1020
	64 0045005	8 8F D 02 F 7E 7 7E 7	00 000B4 000BA 000BD 5\$: 000BF 000C1 000C3	CLRQ CLRQ CLRQ CLRQ PUSHL	-(SP) -(SP)	STOP		1020
		C A3 3 7E D OC F	D 000C7 SC 000C9 04 000CD B 000CF 00 000D2	PIICHI	R3 #52 CHANNEL -(SP) #12, SYS	, -(SP)		
	65 52 06 52 08	50 D 52 E 63 3	3C 000D8 8 000DB	MOVZWL CLRL CALLS MOVL BLBC MOVZWL BLBS	RO, STATUS, IO STATUS, STATUS,	STATUS		1026 1027 1028
	64 0045006	0 8F 0	DD 000DE 6\$: DD 000E0 BB 000E6	PUSHL	#4522080 #2, LIBS	STOP		
018E	018 018 019	7E 7	B 000E6 04 000E9 7\$: 34 000ED 30 000F1 04 000F6 7C 000FA 7C 000FC	BLBS PUSHL PUSHL CALLS CLRL CLRW MOVW CLRL CLRQ CLRQ CLRQ	QUOTA_F; QUOTA_F; #9, QUOTA_F; -(SP) -(SP)	S\$QIOW TUS 6\$ US, STATUS 7\$ DISTOP IB+10 IB+14 TA_FIB+22 IB+24		1033 1035 1036 1037 1042
	020	8 C3 9	04 000FE 0F 00100	CLRL	-(SP) QF IB_DES			

D15

DISKQUOTA V04-000		C 13 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 47
- Poutine Size: 302 hytes D	7E FC 65 52 06 52 08 00450068	7E 7C 00104	1043 1044 1045 1048

; Routine Size: 302 bytes, Routine Base: \$CODE\$ + 029f

D15

4C 6F

D15

RET

; Routine Size: 104 bytes, Routine Base: \$CODE\$ + 03CD

D15

: 1

VO

(13)

DISKQUOTA V04-000 : 1188 : 1189	P 1176 2 P 1177 2 P 1178 2	FUNC = 10\$ 10SB = 10_5	ACPCONTROL.	p-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 p-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 51 (13)
1188 1189 1190 1191 1192 1193 1194 1195 1196	1179 2	THEN STATUS = .I TUS IT (DSKQ\$_DACTER	O_STATUS[0]; R, .STATUS);	of routine ACT_DISABLE	
		53 000000000 52 00000000	000C 00000 00 9E 00002 EF 9E 00009 62 B5 00010	.ENTRY ACT DISABLE, Save R2,R3 MOVAB LIB\$STOP, R3 MOVAB CHANNEL, R2 TSTW CHANNEL BNEQ 1\$ PUSHL #4522056	1119
	01	00450048 2 C2 0194	00 9E 00002 EF 9E 00009 62 B5 00010 09 12 00012 8F DD 00014 01 FB 0001A 0A B0 0001D 1\$: C2 D4 00022 7E 7C 00026 7E 7C 00028 7E D4 0002A C2 9F 0003C A2 9F 0003C A2 9F 0003C A2 9F 0003C A2 9F 0003C	BNEQ 1\$ PUSHL #4522056 CALLS #1, LIB\$STOP MOVW #10, QUOTA_FIB+22 CLRL QUOTA_FIB+24 CLRQ -(SP) CLRQ -(SP)	1168 1173 1174 1179
		020C 04 7E	7E D4 0002A C2 9F 0002C 7E 7C 00030 A2 9F 00032 38 DD 00035 62 3C 00037 7E D4 0003A	PUSHAB QFIB DESC CLRQ -(SP) PUSHAB IO STATUS PUSHL #56	
	000000	0G 00 07 50 04 0B 00450070	7E D4 0005A 0C FB 0003C 50 E9 00043 A2 3C 00046 50 E8 0004A 50 DD 0004D 2\$: 8F DD 0004F 02 FB 00055 01 D0 00058 3\$:	CLRL -(SP) CALLS #12, SYS\$QIOW BLBC STATUS, 2\$ MOVZWL IO STATUS, STATUS BLBS STATUS, 3\$ PUSHL STATUS PUSHL #4522096 CALLS #2, LIB\$STOP MOVL #1, RO	1180 1181 1182

VO

; Routine Size: 92 bytes, Routine Base: \$CODE\$ + 0435

DI VO

Page 52 (14)

```
DISKQUOTA
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 53 (14)
           12567
12578
12578
12566
12667
12667
12667
12777
12778
12883
12889
12998
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
12988
                                                                                            124456789012345678901234566789012777789
                                                                                                                                                            If either value is not specified, read the default record and copy its values into the unspecified fields.
                                                                                                                                                OR NOT .UIC_FLAGS[PERM_SPEC]
OR NOT .UIC_FLAGS[OVER_SPEC]
                                                                                                                                                THEN
                                                                                                                                                               BEGIN
QUOTA_FIB[FIB$W_CNTRLFUNC] = FIB$C_EXA_QUOTA;
QUOTA_FIB[FIB$L_CNTRLVAL] = 0;
QUOTA_FIB[FIB$L_WCC] = 0;
STATUS = $QIOW TCHAN = .CHANNEL,
FUNC = IO$_ACPCONTROL,
IOSB = IO_STATUS,
P1 = QFTB_DESC,
P2 = DSTREC_DESC,
P4 = DSTREC_DESC
                                                                                                                                                                       IF NOT .UIC_FLAGSCPERM_SPEC]
THEN PERM_VALUE = .DST_RECCDQF$L_PERMQUOTA];
IF NOT .UIC_FLAGSCOVER_SPEC]
THEN OVER_VALUE = .DST_RECCDQF$L_OVERDRAFT];
                                                                                                                                                 ! Issue the ADD function call.
                                                                                                                                            QUOTA_FIB[FIB$W_CNTRLFUNC] = FIB$C_ADD_QUOTA;
QUOTA_FIB[FIB$L_CNTRLVAL] = 0;
QUOTA_FIB[FIB$L_WCC] = 0;
STATUS = $QIOW (CHAN = .CHANNEL,
FUNC = IO$_ACPCONTROL,
IOSB = IO_STATUS,
P1 = QFIB_DESC,
P2 = SRCREC_DESC
                                                                                                                                               IF .STATUS THEN STATUS = .10_STATUS[0];
IF NOT .STATUS
                                                                                                                                                THEN ERR_EXIT (DSKQ$_ADDERR, .STATUS);
                                                                                                                                               END:
                                                                                                                                                                                                                                                                                                                                                                                               ! end of routine ACT_ADD
                                                                                                                                                                                                                                                                                                                                        001C
9E
9E
9E
12
12
15
16
18
18
                                                                                                                                                                                                                                                                                                                                                                    00000
00002
00009
00010
00017
0001B
0001D
00023
00026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACT ADD, Save R2,R3,R4
SYS$QIOW, R4
LIB$STOP, R3
UIC FLAGS, R2
CHANNEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                             .ENTRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1186
                                                                                                                                                                                                                                                           000000000
                                                                                                                                                                                                                                                                                                                              00
00
EC
09
80
1
A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOVAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOVAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOVAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1234
                                                                                                                                                                                                                                                                                                                                                                                                                                                             TSTW
                                                                                                                                                                                                                                                                                                                                                                                                                                                             BNEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #4522056
#1. LIB$STOP
UIC_VALUE+2, #16383
                                                                                                                                                                                                                                                             00450048
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PUSHL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1235
                                                                                                                                                                                                                                                                                                                                                                                                                                                            CALLS
```

3FFF

DI VO

: 1240

DISKQUOTA VO4-000				J 13 15-Sep-1984 23:38:38 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 54 (14)
			F 84 00450028	08 13 0002C BEQL 2\$ A2 B1 0002E CMPW UIC_VALUE, #65535 09 12 00034 BNEQ 3\$ 8F DD 00036 2\$: PUSHL #4522024 01 FB 0003C CALLS #1, LIB\$STOP	1241
	04 3B	D6	D8 D0	03 E1 0003F 3\$: BBC #3, UIC_FLAGS, 4\$ 04 E0 00043 BBS #4, UIC_FLAGS, 6\$ 0C B0 00047 4\$: MOVW #12, QUOTA_FIB+22 A2 D4 0004B CLRL QUOTA_FIB+24 A2 D4 0004E CLRL QUOTA_FIB+16 7E 7C 00051 CLRQ -(SP)	1248 1249 1252 1253 1254 1261
			48 48 50 FE48	A2 9F 00053 PUSHAB DSTREC_DESC 7E D4 00056 CLRL -(SP) A2 9F 00058 PUSHAB DSTREC_DESC A2 9F 0005B PUSHAB QFIB_DESC 7E 7C 0005E CLRQ -(SP) C2 9F 00060 PUSHAB IO_STATUS	
	05		E FE44	38 DD 00064 PUSHL #56 C2 3C 00066 MOVZWL CHANNEL, -(SP) 7E D4 0006B CLRL -(SP) 0C FB 0006D CALLS #12, SYS\$QIOW 03 E0 00070 BBS #3, UIC_FLAGS, 5\$	1262
	05	8C / 90 / 06 /	AC BO D8 D0	08 13 0002c	: 1262 : 1263 : 1264 : 1265 : 1271 : 1272 : 1273 : 1279
			40 50 FE48	7E 7C 0008E CLRQ -(SP) A2 9F 00090 PUSHAB SRCREC_DESC A2 9F 00093 PUSHAB QFIB_DESC 7E 7C 00096 CLRQ -(SP) C2 9F 00098 PUSHAB IO_STATUS 38 DD 0009C PUSHL #56 C2 3C 0009E MOVZWL CHANNEL, -(SP)	
			E FE44 18 10 FE48	7E D4 000A3 CLRL -(SP) 0C FB 000A5 CALLS #12, SYS\$QIOW 50 E9 000A8 BLBC STATUS, 7\$	1280 1281 1282
		9	00450078	C2 3C 000AB MOVZWL 10 STATUS, STATUS 50 E8 000B0 BLBS STATUS, 8\$ 50 DD 000B3 7\$: PUSHL STATUS 8F DD 000B5 PUSHL #4522104 02 FB 000BB CALLS #2, LIB\$STOP 01 D0 000BE 8\$: MOVL #1, R0 04 000C1 RET	1285

VO

: Routine Size: 194 bytes, Routine Base: \$CODE\$ + 0491

```
GLOBAL ROUTINE ACT_REMOVE =
                  functional Description:
                                       This action routine implements the REMOVE command. It removes the specified entry from the quota file.
                               Calling Sequence:
standard
                               Input Parameters:
                                       none
                               Implicit Inputs:
                                       none
                               Output Parameters:
                                       none
                               Implicit Outputs:
                                       none
                               Routines Called:
                                       none
                               Routine Value:
                                      none
                               Signals:
                                      none
                               Side Effects:
                                      none
                            BEGIN
                            LOCAL
                                       STATUS:
                                                                               ! general status value
                            ! Verify that a channel is open.
                            IF . CHANNEL EQL O
THEN ERR_EXIT (DSKQ$_NODEVICE);
                            ! Set any appropriate wildcard indicators.
                            IF .UIC_VALUE<16.16> EQL UIC$K WILD GROUP THEN UIC_FLAGS[WILD_GROUP] = 1; IF .UIC_VALUE<0.16> EQL UIC$K_WILD_MEMBER THEN UIC_FLAGS[WILD_MEMBER] = 1;
1356
```

```
L 13
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                                       VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                                                                           Page 56 (15)
                                                 Loop for all matching entries in the quota file, making a call to
   135990123456712345678901235991359901401
                                                 remove each.
                                             QUOTA_FIB[FIB$W_CNTRLFUNC] = FIB$C_REM_QUOTA;
QUOTA_FIB[FIB$L_CNTRLVAL] = .UIC_FEAGS;
QUOTA_FIB[FIB$L_WCC] = 0;
                                              INCR J FROM O
                                             DO
                                                     BEGIN
                                                    STATUS = $QIOW (CHAN = .CHANNEL,

FUNC = IO$_ACPCONTROL,

IOSB = IO_STATUS,

P1 = QFIB_DESC,

P2 = SRCREC_DESC,

P4 = DSTREC_DESC
                              1360
1361
1362
1363
1364
1365
1366
1367
1368
1369
                                                     IF .STATUS THEN STATUS = .10_STATUS[0];
                                                     THEN
                                                             BEGIN
                                                            IF .STATUS EQL SS$_OVRDSKQUOTA
THEN ERR_MESSAGE (DSKQ$_INUSE,
.(DST_REC[DQF$L_UIC])<16,16>,
.(DST_REC[DQF$L_UIC])<00,16>,
.DST_REC[DQF$L_USAGE]);
                                                             END
                               1372
1373
1374
1376
1376
1377
1378
1382
1383
1384
1386
1387
                                                     ELSE
                                                             BEGIN
                                                             IF .STATUS EQL SS$_NODISKQUOTA
AND .J NEQ 0
THEN EXITLOOP;
                                                             ERR_EXIT (DSKQS_REMOVERR, .STATUS);
                                                     AND NOT .UIC FLAGS[WILD GROUP]
                                                     THEN EXITLOOP:
                                                                                                                          ! done if no wild cards
                                                     END:
                                                                                                                          ! end of loop
                                         2
2
1
1 END;
                                                                                                                         ! end of routine ACT_REMOVE
                                                                                                                 00000
00002
00009
00010
00014
00016
00010
                                                                                                        003C
9E
9E
85
12
DD
FB
                                                                                                                                                           ACT REMOVE, Save R2,R3,R4,R5
LIB$STOP, R5
UIC FLAGS, R4
CHANNEL
                                                                                                                                                                                                                                                  1286
                                                                                                                                             .ENTRY
                                                                               00000000
                                                                                                     00
EF
C4
09
61
                                                                                                                                             MOVAB
                                                                                                                                             MOVAB
                                                                                                                                                                                                                                                  1334
                                                                                                                                             TSTW
                                                                                                                                             BNEQ
                                                                                                                                                            #4522056
                                                                                                                                                                                                                                                  1335
                                                                                00450048
                                                                                                                                             PUSHL
                                                                                                                                                            #1, LIBSSTOP
                                                                                                                                             CALLS
```

					M 13 15-Sep- 14-Sep-	1984 23:38 1984 12:19	:38 VAX-11 Bliss-32 V4.0-742 :46 [DISKQ.SRC]DISKQUOTA.B32;1	Pa	ige 57
	3FFF	8F	86	A4 B	1 0001f 1\$:	CMPW	UIC_VALUE+2, #16383		: 1340
	FFFF	64 8F	84	03 1 02 8 03 1 03 1	1 0001F 1\$: 2 00025 8 00027 1 0002A 2\$: 2 00030	BNEQ BISB2 CMPW BNEQ BISB2 MOVW MOVL	UIC_VALUE, #65535		1341
	D6 D8	64 A4 A4	DO		2 00030 8 00032 0 00035 0 00039 4 00040 1 00042 1 00047 1 00047 1 00047 1 00047 1 00047 1 00055 1 00055 1 00055 1 00055 1 00055 1 00055	LLKL	#1, UIC_FLAGS #14, QUOTA_FIB+22 UIC_FLAGS, QUOTA_FIB+24 QUOTA_FIB+16		1347 1348 1349 1351 1361
			48	0E BD 64 DD 753 7F A4 9 7E A4 9	C 00042 F 00044	CLRL CLRQ PUSHAB CLRL	-(SP) DSTREC_DESC -(SP)		1361
			50	A4 9 7E 7 C4 9 38 D	F 00049 F 0004C C 0004F	PUSHAB PUSHAB CLRQ PUSHAB PUSHL MOVZWL	SRCREC DESC OF IB DESC -(SP)		
			FE48	C4 9	F 00051	PUSHAB	10 STATUS		
		7E	FE44	C4 3	C 00057	MOVZWL	CHANNEL, -(SP) -(SP)		
	0000000G	00 52 52 52 8F	FE48	0C F 50 D 52 E	9 00068	CALLS MOVL BLBC MOVZWL	#12, SYS\$QIOW RO, STATUS STATUS, 5\$ IO_STATUS, STATUS STATUS, 5\$		1362
	00000669	23 8F		52 E 52 D	9 00070 1 00073 2 0007A	BLBC	51A1U5, #1041		1363 1366
		7E 7E	A8 A4 A6 00450098	A4 3	D 0007C C 0007F C 00083 D 00087 B 0008D	BNEQ PUSHL MOVZWL MOVZWL	DST_REC+8 DST_REC+4(SP) DST_REC+6(SP) #4522136		1370
	0000000G	00	00430070	04 F	B 0008D	PUSHL CALLS BRB	#4, LIB\$SIGNAL		1363
	000003E4	8F		52 D	T UUUUV FE.	CMPI	STATUS, #996		1363
					5 0009F	TSTL	j.		1375
			00/50090	53 D 1A 1 52 D 8F D	D 000A3 68:	BNEQ TSTL BNEQ PUSHL PUSHL CALLS	STATUS		1377
03		65	00450080	02 F	2 0009D 5 0009F 2 000A1 D 000A3 6\$: D 000A5 B 000AB 0 000AE 7\$: 9 000B2 3 000B5 8\$:	CALLS	#2, LIB\$STOP #1, UIC_FLAGS, 8\$		1380
85		65 64 08 53 50	7666666		3 000B5 8\$: 0 000BD 9\$:	BBS BLBC AOBLEQ MOVL RET	STATUS #4522112 #2, LIB\$STOP #1, UIC FLAGS, 8\$ UIC FLAGS, 9\$ #2147483647, J, 4\$ #1, R0		1380 1381 1351 1387

; Routine Size: 193 bytes. Routine Base: \$CODE\$ + 0553

(16)

Page

```
N 13
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                    VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.832;1
140567890112345667890112344444445678914456789
                                                                                                                       GLOBAL ROUTINE ACT_SHOW =
                                                                               13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13890
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
13800
                                                                                                                                functional Description:
                                                                                                                                                              This action routine implements the SHOW command. It lists UIC, quota, and usage of the indicated entries to SYS$OUTPUT.
                                                                                                                                Calling Sequence:
                                                                                                                                 Input Parameters:
                                                                                                                                                               none
                                                                                                                                 Implicit Inputs:
                                                                                                                                                              none
                                                                                                                                Output Parameters:
                                                                                                                                                              none
                                                                                                                                 Implicit Outputs:
                                                                                                                                                              none
                                                                                                                                 Routines Called:
                                                                                                                                                              none
                                                                                                                                 Routine Value:
                                                                                                                                                              none
                                                                                                                                Signals:
                                                                                                                                                              none
                                                                                Side Effects:
                                                                                                                                                              none
                                                                                                                      BEGIN
                                                                                                                      BIND
                                                                                                                                                              LISTING HEADER
MULTI_FORMAT_1
MULTI_FORMAT_2
SINGLE_FORMAT
                                                                                                                                                                                                                                           = DESCRIPTOR (' UIC Usage Permanent Quota Overdraft Limit'),
= DESCRIPTOR ('!18<!AS!>!13<!UL!>!18<!UL!>!13<!UL!>'),
= DESCRIPTOR ('!AS!/!18* !13<!UL!>!18<!UL!>!13<!UL!>'),
= DESCRIPTOR ('UIC !AS has !UL blocks used!/of !UL authorized, !UL permitted overdra
                                                                                                                       LOCAL
                                                                                                                                                              FORMATTED_UIC
                                                                                                                                                                                                                                             : $BBLOCK [DSCSC S BLN],
: VECTOR [67,BYTE],
                                                                                                                                                                                                                                                                                                                                                                                                             ! Descr for alpha UIC
! Alpha UIC storage
                                                                                                                                                               STATUS:
                                                                                                                                                                                                                                                                                                                                      general status value
                                                                                                                       EXTERNAL ROUTINE
                                                                                                                                                              LIBSPUT_OUTPUT : ADDRESSING_MODE (GENERAL);
```

2 ! Verify that a channel is open.

IF .UIC_FLAGS[WILD_GROUP]

1516

Page 59 (16)

```
DISKQUOTA
VO4-000
                                                                                                                                                                            VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                                                                                           (16)
                                                             OR .UIC_FLAGS[WILD_MEMBER]
THEN (IF .UIC_DESC[DSC$W_LENGTH] LSS 18

THEN MULTI_FORMAT_T

ELSE MULTI_FORMAT_2)

ELSE SINGLE_FORMAT),

OUTPUT_DESC[O],

OUTPUT_DESC[O],

UIC_DESC,
.DST_REC[DQF$L_USAGE],
.DST_REC[DQF$L_PERMQUOTA],
.DST_REC[DQF$L_OVERDRAFT]
);
                                                       LIB$PUT_OUTPUT (OUTPUT_DESC[0]);
                                                      IF NOT .UIC_FLAGS[WILD_GROUP]
AND NOT .UIC_FLAGS[WILD_MEMBER]
THEN EXITLOOP;
                                                                                                                              ! done if no wild cards
                                          2
2
1
1 END;
                                                       END:
                                                                                                                             ! end of loop
   1539
                                                                                                                             ! end of routine ACT_SHOW
                                                                                                                                                 .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                                 20 20
20 20
50 20
51 20
66 61
00000040
000000000
31 21
21 40
21 30
00000024
                                                                                                                     0031C
0032B
0033A
                                                              49
67
6E
20
6D
                                                      43
65
65
69
                                                                                                                                P.AAK:
                                                                              20730740
                                                                                              20
20
65
74
                                                                                                                                                 .ASCII
                                                                      55
61
61
69
                                                                                      20
55
72
6F
20
                                                                                                                                                                                                                               Permanent\
                                                                                                                                                                                                      Usage
                      65
                              76
                                                                                                                     00344
                                                                                                                                                 .ASCII \ Quota
                                                                                                                                                                                    Overdraft Limit\
                                                                                                                     00350
00360
00364
                                                                                                                                                 .LONG 64
.ADDRESS P.AAK
.ASCII \!18<!AS!>!13<!UL!>!18<!UL!>!13<!UL!>\
                                                                                                                                P.AAJ:
                                                                                                                                                 LONG 36 .ADDRESS P.AAM
                                                                                                                                 P.AAL:
                                                                                                                                                 .ASCII \!AS!/!18* !13<!UL!>!18<!UL!>!13<!UL!>\
                                                                                                                                                 .BLKB 3
.LONG 37
.ADDRESS P.AAO
                                                                                                 000000025
000000000
49 55
62 20
20 66
72 6F
69 60
2E 74
00000048
000000000
                                                                                                                                P.AAN:
                                                                              21 63 65
                                                                                      20
6F
57A
74
                                                                                                                                                 .ASCII \UIC !AS has !UL blocks used!/of !UL auth\
                                                       20
75
20
6F
                                                                      41
68
64
64
                                                                                              43 621 694
                                               75
74
21
76
                                                              73
61
20
                                                                                                                                                 .ASCII \orized, !UL permitted overdraft.\
                                                                                                                      00406
                                                                                                                                                 .LONG 72
.ADDRESS P.AAQ
                                                                                                                      00408
                                                                                                                                P.AAP:
                                                                                                                                                               11811
                                                                                                                                                 .ASCII
                                                                                                                     00413
00414 P.AAR:
                                                                                                                                                 .BLKB
                                                                                                  00000003
                                                                                                                                                 . LONG
```

D15

					1	D 14 5-Sep-198 4-Sep-198	4 23:38	:38 VAX-11 Bliss-32 V4.0-742 :46 [DISKQ.SRC]DISKQUOTA.B32;1	Page 61 (16)
			00	000000	00418		.ADDRES	S P.AAS	
						LISTING MULTI_FO MULTI_FO SINGLE_F	RMAT_1= RMAT_2= ORMAT= .EXTRN	P.AAL P.AAN P.AAP LIBSPUT_OUTPUT, SYSSFAO	
							.PSECT	\$CODE\$,NOWRT,2	
		587 555 555 556 556 556 556 556 556 556 55	00000000G 00000000G 000000000 000000000	01 F 00 9 00 9 00 9 EF 9 EF 9 AE 9 C4 8 09 17			ENTRY MOVAB MOVAB MOVAB MOVAB MOVAB MOVAB TSTW BNEQ	ACT SHOW, Save R2,R3,R4,R5,R6,R7,R8 SYS\$FAO, R8 LIB\$PUT_OUTPUT, R7 LIB\$STOP, R6 LISTING_HEADER, R5 UIC_FLAGS, R4 -76(SP), SP CHANNEL	1388
			00450048	8F DI			PUSHI	1\$ #4522056	1448
	3FFF	66 8F	86	O1 FI	00035	15:	CALLS CMPW BNEQ BISB2 CMPW	#1. LIRSSTOP	1453
				A4 B 03 1 02 8	0003E		BNEQ BISB2	UIC_VALUE+2, #16383 2\$ #2, UIC_FLAGS	
	FFFF	64 8F	84	A4 B 03 1 01 8	00043 00049 00048	2\$:	CMPW	UIC_VALUE, #65535	1454
	D6 D8	64 A4 A4	DO	A4 B 03 13 01 88 00 B0 64 D0 64 D0 64 D0	00048 00048 00048 00052	3\$:	BNEQ BISB2 MOVW MOVL CLRL	#1, UIC_FLAGS #12, QUOTA_FIB+22 UIC_FLAGS, QUOTA_FIB+24 QUOTA_FIB+16 #1, UIC_FLAGS, 4\$ UIC_FLAGS, 5\$ R5	1460 1461 1462
03		64		01 E	00059 0005b 00060	48:	BBS BLBC PUSHL	#1, UIC_FLAGS, 4\$ UIC_FLAGS, 5\$ R5	; 1464 ; 1465 ; 1466
		67		01 FI	00065	58.	CALLS	#1. LIBSPUT_OUTPUT	1468
			48	/E /	00067	6\$:	PUSHAR	-(SP) DSTREC DESC	: 1478
				7E D	00060		CLRL PUSHAB PUSHAB	DSTREC_DESC -(SP)	
			40 50	A4 9	00071		PUSHAB	SRCREC_DESC QFIB_DESC	
			FE48	(4 9	00076		PUSHAB	TO STATUS	
		7E	FE44	38 DI	0007A		CLRQ PUSHAB PUSHL MOVZWL CLRL CALLS	CHANNEL -/CD)	
	0000000G			7E D	00081		CALLS	-(SP) #12. SYS\$010W	
	00000000	00 52 08 52 18 8f	FE48	44 A 4 E 4 8 4 E C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 7 5 8 C 7 C 5 5 C 5 7 5 8 C 7 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5 C 5	0008A		BLBC MOVZWI	-(SP) #12, SYS\$QIOW RO, STATUS STATUS, 7\$ IO STATUS, STATUS STATUS, 9\$ STATUS, 9\$ STATUS, #996 8\$	1479
	000003E4	8F		52 0	00098	75:	CMPL	STATUS, #996	1480
				04 1 53 D 77 1	000A1		BLBS CMPL BNEQ TSTL		1484
		66	00450090	77 1: 52 Di 8F Di 02 Fi	000A5	8\$:	BNEQ PUSHL PUSHL CALLS	15\$ STATUS #4522128 #2, LIB\$STOP	1486

D15

DISKQUOTA VO4-000							12	-Sep-	1984 23:38 1984 12:19	:38	VAX-11 Bliss-32 V4.0-742 [DISKQ.SRC]DISKQUOTA.B32;1	Page 62 (16)
		44	AE	43 A4 48 40 0088	8F 6E AE CO4F	98 9E 9F 9F	000B5 000B9 000BC	9\$:	MOVZBW MOVAB PUSHL PUSHAB PUSHAB	#67, FORMA DST_F UIC_E	UIC_DESC ATTED_UIC, UIC_DESC+4 REC+4 DESC DESC	: 1492 : 1493 : 1496
			68		04	9F	00002		PUSHAB	P.AAF	SYSSEAD	
		FF60	7E	84 AC A8 50 FF60 FF60	8F A4 AE C4 O1	FB 9A 7D DD 9F 9F	000C9 000D3 000D6 000D9 000DD 000E1 000E8 000EC		MOVZBW MOVAB PUSHAB PUSHAB PUSHAB CALLS MOVZBL MOVQ PUSHL PUSHAB PUSHAB	DST F DST F UIC TO OUTPU	SYSSFAO OUTPUT DESC REC+12, =(SP) REC+8 DESC UT DESC UT DESC UT DESC UT FLAGS, 10\$ FLAGS, 12\$ DESC, #18	1498
	03		64 12 12	FF60 50	54	9F E0 E9	000DD 000E1 000E5 000E8	10\$:	PUSHAB BBS BLBC CMPW BGEQU MOVAB	WIC F	UT DESC UIC FLAGS, 10\$ FLAGS, 12\$ DESC. #18	
			50	20	AE 06 A5 08 A5 05	1E 9E	000EC		BGEQU MOVAB	11\$	I_FORMAT_1, RO	
			50	50	A5	9E	000F2 000F4 000F8	115:	MOVAR	MULTI	I_FORMAT_2, RO	
			50	OOAC	C5 50	9E	000FA 000FF 00101	12\$: 13\$:	MOVAB	SINGL	E FORMAT, RO	
			68	FF60	07 C4 01	FB FB	00104	150.	CALLS	W7. S	SYS\$FAO UT_DESC LIB\$PUT_OUTPUT	1515
	03		67 64 0A		64	EO E9	0010B		BBS BLBC ACBL	WIC F	JIC_FLAGS, 14\$ FLAGS, 15\$: 1517
FF4B	53		01 7F 50	FFFFFF	8F 01	F1 D0 04	00112	14\$: 15\$:	ACBL MOVL RET	#2147 #1, F	TT DESC LIB\$PUT_OUTPUT JIC_FLAGS, 14\$ FLAGS, 15\$ 7483647, #1, J, 6\$	1517 1518 1468 1524

; Routine Size: 288 bytes, Routine Base: \$CODE\$ + 0614

000

-

VO

```
DISKQUOTA
VO4-000
                                                                                                                                                                VAX-11 Bliss-32 V4.0-742
EDISKO.SRCJDISKQUOTA.B32:1
                                                                                                                                                                                                                                  Page
                                                                                                                                                                                                                                        (17)
   1598
1599
1600
                                               Loop for all matching entries in the quota file, making a call to
                                               modify each.
   1601
                                           QUOTA_FIB[FIB$W_CNTRLFUNC] = FIB$C_MCD_QUOTA;
QUOTA_FIB[FIB$L_CNTRLVAL] = .UIC_FEAGS;
QUOTA_FIB[FIB$L_WCC] = 0;
   1605
1606
1607
1608
1609
1610
                                            INCR J FROM O
                                           DO
                            1592
1593
1594
1595
1596
1597
1598
                                                  BEGIN
                                                 STATUS = $QIOW (CHAN = .CHANNEL,

FUNC = IO$ ACPCONTROL,

IOSB = IO STATUS,

P1 = QFIB DESC,

P2 = SRCREC_DESC,

P4 = DSTREC_DESC
   1611
   1612
   1614
   1615
   1616
                              1600
                                                   IF .STATUS THEN STATUS = .10_STATUS[0];
   1617
                             1601
                            1602
1603
1604
1605
1606
1607
1608
   1618
   1619
1620
1621
1623
1624
1625
1626
1637
1633
1633
1635
                                                   THEN
                                                          BEGIN
                                                         IF .STATUS EQL SS$ OVRDSKQUOTA
THEN ERR_MESSAGE (DSKQ$_INUSE,
.(DST_REC[DQF$L_UIC])<16,16>,
.(DST_REC[DQF$L_UIC])<00,16>,
.DST_REC[DQF$L_USAGE]);
                             1609
                             1610
                                                          END
                             1611
                                                  ELSE
                             1612
1613
1614
1615
                                                          BEGIN
                                                         IF .STATUS EQL SS$_NODISKQUOTA
AND .J NEQ 0
THEN EXITLOOP;
                                                         ERR_EXIT (DSKOS_MODIFYERR, .STATUS);
                             1616
1617
                             1618
                                                  AND NOT .UIC FLAGS[WILD GROUP]
                             1619
   1636
1637
                                                   THEN EXITLOOP:
                                                                                                                    ! done if no wild cards
   1638
   1639
                                                  END:
                                                                                                                    ! end of loop
  1640
1641
1642
                                           END:
                                                                                                                    ! end of routine ACT_MODIFY
                                                                                                   003C 00000
9E 00002
9E 00009
85 00010
12 00014
DD 00016
FB 0001C
                                                                                                                                                    ACT MODIFY, Save R2,R3,R4,R5
LIBSSTOP, R5
UIC FLAGS, R4
CHANNEL
                                                                                                                                                                                                                                        1525
                                                                                                                                       .ENTRY
                                                                           00000000
                                                                                                                                      MOVAB
                                                                                                E 49801
                                                                                                                                      MOVAB
                                                                                                                                                                                                                                        1573
                                                                                                                                      TSTW
                                                                                                                                      BNEQ
                                                                            00450048
                                                                                                                                                     #4522056
                                                                                                                                                                                                                                        1574
                                                                                                                                      PUSHL
                                                                                                                                                     #1, LIB$STOP
                                                                                                                                      CALLS
```

D15

DISKQUOTA VO4-000					5-Sep- 4-Sep-	1984 23:38 1984 12:19	:38 VAX-11 BLiss-32 V4.0-742 :46 [DISKQ.SRC]DISKQUCTA.B32;1	Page 6
	3666	8F 86	A4	B1	0001F 15:	CMPW	UIC_VALUE+2, #16383	: 1579
	FFFF	64 8F 84	43004 64	88 B1	0001F 1\$: 00025 00027 0002A 2\$:	CMPW BNEQ BISB2 CMPW BNEQ BISB2 MOVW	UIC_VALUE+2, #16383 2\$ #2, UIC_FLAGS UIC_VALUE, #65535	1580
	D6 D8	64 A4 A4	A4 03 00 00 64 A53 7E	88 80 00	00030 00032 00035 00039 00040 00042 00047 00047 00047 00047 00055 00055 00055 00055 00068 00068 00070 00077 00077 00077 00077 00077 00077 00077 00083 00090 00090 00091	MOVW MOVL	#1, UIC_FLAGS #13, QUOTA_FIB+22 UIC_FLAGS, QUOTA_FIB+24 QUOTA_FIB+16	1586
		D0	A4 53 7F	88 80 00 04 70	00030 00040 00042 48:	CLRC	QUOTA_FIB+16 J -(SP)	; 1586 ; 1587 ; 1588 ; 1590 ; 1600
		48	A4 7E	9F 04	00044	PUSHAB	DSTREC_DESC -(SP)	
		40 50	A4 A4 7E	9f 9f	00049 00040	PUSHAB CLRL PUSHAB PUSHAB CLRQ PUSHAB PUSHAB PUSHL MOVZWL	SRCREC_DESC QFIB_DESC -(SP)	
		FE48	C4	9F	00051	PUSHAB	IO STATUS	
		7E FE44	7E	3C 04	00057	MOVZWL	CHANNEL, -(SP)	
	0000000G	00	00	FB	0005E	CLRL	#12, SYS\$QIOW	
		00 52 2B 52 FE48	50	E9	00068 00068	BLBC	STATUS, 5\$	160
	00000669	23 8F	52 52 32	E9	00070 00073	MOVL BLBC MOVZWL BLBC CMPL BNEQ PUSHL MOVZWL MOVZWL	RO. STATUS STATUS, 5\$ IO STATUS, STATUS STATUS, \$ STATUS, #1641	160
		7F A8		3C 3C	0007C	PUSHL	7\$ DST_REC+8 DST_REC+4 -(SP)	160
		7E A4 7E 00450098	A4 A4 8F 04	30	00083	MOVZWL	DST_REC+8 DST_REC+4, -(SP) DST_REC+6, -(SP) #4522136 #4, LIB\$SIGNAL	
	000000006	00		PB 11	0008b	CALLS	#4, LIB\$SIGNAL	160
	000003E4	8F	52	01	00096 5\$:	CMPL	7\$ STATUS, #996 6\$	160
			53	05	0009F	TSTL		1614
		00450088	52 053 1A2 8F 021 64 8F 01	DD DD FB	000A3 6\$:	PUSHL CALLS BRB CMPL BNEQ TSTL BNEQ PUSHL PUSHL CALLS BBS BLBC AOBLEQ MOVL RET	9\$ STATUS #4522120 #2, LIB\$STOP #1, UIC_FLAGS, 8\$ UIC_FLAGS, 9\$ #2147483647, J, 4\$ #1, R0	1610
	03	65	02	FB	000AB 000AE 7\$:	CALLS	#2, LIB\$STOP	1619
	85	65 64 08 53 7FFFFFF 50	64	E0 E9	000B2	BLBC AOBL FO	UIC FLAGS, 9\$	1616 1620 1590 1620
	0,	50	01	00	000B5 8\$: 000BD 9\$:	MOVL	#1, RO	1620

VO

; Routine Size: 193 bytes, Routine Base: \$CODE\$ + 0734

DI

.....

...........

...........

```
DISKQUOTA
VO4-000
                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32:1
                                                                                                                                                                                                                         Page 67
(18)
                           1684
1685
1686
1687
1688
1689
1690
1691
1692
  1701
1702
1703
1704
1705
1706
1707
1708
1709
1711
1712
1713
1714
1715
1716
                                        QUOTA_FIB[FIBSW_DID_NUM] = FIDSC_MFD;
QUOTA_FIB[FIBSW_DID_SEQ] = FIDSC_MFD;
QUOTA_FIB[FIBSW_DID_RVN] = 1;
QUOTA_FIB[FIBSW_CNTRLFUNC] = FIBSC_ENA_QUOTA;
STATUS = $QIOW (CHAN = .CHANNEL,
FUNC = IOS_ACPCONTROL,
IOSB = IO_STATUS,
P1 = QFIB_DESC,
                                                                              = QFILE_NAME
                            1694
                                         IF .STATUS THEN STATUS = .10_STATUS[0];
IF NOT .STATUS
                            1696
                                          AND .STATUS NEQ SS$ QFACTIVE THEN ERR_EXIT (DSKQ$_ACTERR, .STATUS);
                            1698
                            1699
1700
                                          ! Now call the rebuild routine.
                            1701
                            1702
                                      2 REBU
2 1
1 END;
                                          REBUILD (.CHANNEL, 1);
                            1704
1705
1706
                                                                                                             ! end of routine ACT_REBUILD
                                                                                                                                  .EXTRN
                                                                                                                                               REBUILD
                                                                                                000C 00000
9E 00002
                                                                                                                                               ACT REBUILD,
LIB$STOP, R3
                                                                                                                                  .ENTRY
                                                                                                                                                                                                                                1627
                                                                                                                                                                      Save R2,R3
                                                                                                   9E
9E
85
12
                                                                    53 00000000g
52 00000000
                                                                                                                                 MOVAB
                                                                                            E608F1F29F22CC7A367CC058C01
                                                                                                         00009
                                                                                                                                                CHANNEL, R2
                                                                                                                                 MOVAB
                                                                                                         00010
                                                                                                                                                CHANNEL
                                                                                                                                                                                                                                1679
                                                                                                                                 TSTW
                                                                                                         00012
                                                                                                                                 BNEQ
                                                                         00450048
                                                                                                        00014
                                                                                                                                 PUSHL
                                                                                                                                               #4522056
                                                                                                   1680
                                                                                                                                               #1, LIB$STOP
#262148, QUOTA_FIB+10
#1, QUOTA_FIB+T4
#9, QUOTA_FIB+22
                                                                                                         0001A
                                                                                                                                 CALLS
                                                       0186
018A
0192
                                                                         00040004
                                                                                                         0001D 15:
                                                                                                                                 MOVL
                                                                                                                                                                                                                                1685
                                                                                                                                                                                                                                1687
                                                                                                        00026
                                                                                                                                 MOVW
                                                                                                        0002B
00030
                                                                                                                                 MOVW
                                                                                                                                                                                                                                1688
                                                                                                                                               -(SP)
                                                                                                                                  CLRQ
                                                                                                                                                                                                                                1694
                                                                                                        00032
                                                                                                                                 CLRQ
                                                                                                                                                -(SP)
                                                                                                        00034
                                                                                0244
0200
                                                                                                                                 PUSHAB
                                                                                                                                               QFILE_NAME
                                                                                                        00038
                                                                                                                                               QFIB_DESC
                                                                                                                                 PUSHAB
                                                                                                         00030
                                                                                                                                                -(SP)
                                                                                                                                  CLRQ
                                                                                                    9F
DD
3C
                                                                                    04
                                                                                                                                 PUSHAB
                                                                                                                                               10 STATUS
                                                                                                        0003E
                                                                                                         00041
                                                                                                                                 PUSHL
                                                                                                                                 MOVZWL
                                                                                                                                               CHANNEL, -(SP)
                                                                    7E
                                                                                                         00043
                                                                                                                                               -(SP)
#12, SYS$QIOW
STATUS, 2$
                                                                                                    04
                                                                                                        00046
                                                                                                                                  C!.RL
                                                                    00
07
50
                                                                                                                                 CALLS
                                                                                                         00048
                                                 0000000G
                                                                                                   E9
30
E8
D1
13
                                                                                                                                                                                                                                1695
                                                                                                                                  BLBC
                                                                                                                                               IO STATUS, STATUS
STATUS, 35
STATUS, #972
                                                                                                        00052
                                                                                    04
                                                                                                                                  MOVZWL
                                                                                                                                                                                                                                1696
1697
                                                                                                                                 BLBS
                                                                                                        00059
                                                 000003CC
                                                                    8F
                                                                                                                                 CMPL
                                                                                                        00060
00062
00064
0006A
                                                                                                                                 BEQL
                                                                                                   DD
                                                                                                                                 PUSHL
                                                                                                                                               STATUS
#4522088
                                                                                                                                                                                                                                1698
                                                                          00450068
                                                                                                                                 PUSHL
                                                                                                                                               #2. LIB$STOP
                                                                                                                                  CALLS
                                                                                                    DD
                                                                                                         0006D
                                                                                                                                 PUSHL
                                                                                                                                                                                                                               1703
```

DISKQUOTA VO4-000

K 14 15-Sep-1984 23:38:38 VAX-11 BLiss-32 V4.0-742 14-Sep-1984 12:19:46 [DISKQ.SRC]DISKQUOTA.B32;1

Page 68 (18)

0000000G

CHANNEL, -(SP) #2, REBUILD #1, RO

1706

; Routine Size: 125 bytes, Routine Base: \$CODE\$ + 07F5

EX

Page 69 (19)

Mo DI

DI CL SY SY

Mo

```
DISKQUOTA
VO4-000
                                                                                                                         VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
                                                                                                                                                                           Page 70 (19)
                                            LIBRARY_NAME
                                                                  = DESCRIPTOR ('DISKQUOTA');
                                                                                                              ! HELP text library
  1785
1786
1787
1788
1789
1791
1792
1793
1793
1794
1796
1799
1801
1806
1807
1808
1818
1818
1818
1818
1818
1819
                                 OWN
                                            HELP_FUNCTION
HELP_TYPE
HELP_LIBINDEX
                                                                  : INITIAL (LBRSC_READ),
: INITIAL (LBRSC_TYP_HLP),
                                                                                                                 declare lib a HELP lib
                                                                  : LONG.
                                                                                                                 pointer to lib index
                      1771
1772
1773
1774
1775
                                            LIBRARY_OPEN
                                                                  : LONG:
                                                                                                                 used as a boolean
                                 LOCAL
                                            STATUS:
                                                                                                              ! used as boolean
                      1776
1777
1778
1778
1780
1781
1782
1783
1784
1785
1786
1787
1788
1790
1791
1793
1796
1797
1798
1799
1801
1806
1807
1808
1809
1811
                                    Check to see if HELPLIB is already OPENed. If it is, skip the
                                    OPENing code and get right to the HELP text retrieval.
                                 IF NOT (.LIBRARY_OPEN)
                                 THEN
                                       IF NOT (STATUS = LBR$INI_CONTROL (HELP_LIBINDEX, HELP_FUNCTION, HELP_TYPE))
                                            ERR_EXIT (DSKQS_HELP_INIT, .STATUS);
                                       IF NOT (STATUS = LBRSOPEN (HELP_LIBINDEX, LIBRARY_NAME, O, HELP_DEFNAME))
                                       THEN
                                            ERR_EXIT (DSKQS_HELP_OPEN, .STATUS);
                                      LIBRARY_OPEN = 1;
                                                                                                              ! flag library open
                                      END:
                                    Get and display the HELP text. LBR$GET_HELP will call LIB$PUT_OUTPUT
                                   to print the HELP text.
                                 IF NOT (STATUS = LBR$GET_HELP (HELP_LIBINDEX, 0, 0, 0, KEY_VECTOR[0],
                                                                                                            KEY_VECTOR[2],
KEY_VECTOR[4],
KEY_VECTOR[6],
KEY_VECTOR[8],
                                                                                                            KEY_VECTOR[10],
KEY_VECTOR[12]))
                                      ERR_EXIT (DSKQS_HELP_TEXT, .STATUS);
                                END:
                                                                                                   ! end of routine ACT_HELP
                                                                                                      .PSECT $PLITS, NOWRT, NOEXE, 2
                                                                                  0041C P.AAU:
           42 4C 48 2E 3A 50 4C 45 48 24 53 59 53
                                                                                                      .ASCII
                                                                                                                \SYS$HELP: .HLB\
                                                                                                      .BLKB
                                                                                                      . LONG
                                                                                                      ADDRESS P. AAU
```

TR

DE

									N 14 15-Sep-19 14-Sep-19	84 23:38 84 12:19	:38	VAX-11 Bliss-32 V4.0-742 [DISKQ.SRC]DISKQUOTA.B32;1	Page	(19)
41	54	4F	55	51	48	53	49 44	0043	P.AAW:	.ASCII	3	SKQUOTAN	:	
						00	0000009	. 0044	P.AAV:	.LONG	S P.	NAW	:	
										.PSECT	SOWN	NS, NOEXE, 2		
							0000001 0000003		HELP_FU	.LONG	1		:	
						O.	,000003		HELP_TY HELP_LI	.LONG	3		:	
									BLIBRARY	.BLKB	4			
									HELP DE LIBRARY	FNAME=		P.AAT P.AAV BINI CONTROL BOPEN, LBRSGET_HELP		
										.PSECT	\$000	DES,NOWRT,2		
				54 53 40	000000	000G 000° 04 FC F8	001 00 99 43 43 53 50 50 50 50 50 50 50 50 50 50 50 50 50	E 00000 E 00000 B 00010 F 00010 F 0001		ENTRY MOVAB MOVAB BLBS PUSHAB PUSHAB	ACT LIB! HELF HELF HELF	HELP, Save R2,R3,R4 BSTOP, R4 PLIBINDEX, R3 RARY OPEN, 3\$ PLYPE FUNCTION		1707 1782 1785
	0000	0000	06	00 52 0B			53 D 50 D 52 E	B 0001 0 0002 B 0002		PUSHL CALLS MOVL BLBS PUSHL PUSHL CALLS PUSHAB	RO.	STATUS		1787
				64	004500		8F D	D 00029 D 00021 B 00034 4 00034 F 00034 D 00044		PUSHL	#452	LIBSTOP DEFNAME RARY_NAME		
					000000		7E D	4 0003 F 0003	15:	CLRL PUSHAB PUSHL CALLS	-(SF	RARY_NAME		1789
	0000	0000	06	00 52 0B			04 F 50 D 52 E	0 00046 0 00046 0 00046		PUSHL CALLS MOVL BLBS	R3 R0. STAT	LBRSOPEN STATUS TUS, 28		1791
				64 A3	004500	OF 8	8F D	0005 B 0005		PUSHL	#452	2232 LIB\$STOP		
		0	•	A3	F1 F1 F1	70 74 66 64 50 54	52 BD F D 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	F 00074 F 00076 C 00076 4 00076	28: 38:	MOVL BLBS PUSHL PUSHL CALLS MOVL PUSHAB PUSHAB PUSHAB PUSHAB PUSHAB PUSHAB CLRQ CLRQ CLRL	KEY KEY KEY KEY KEY KEY -(SF	LBR\$OPEN STATUS US, 2\$ US, 2\$ US 2232 LIB\$STOP LIBRARY OPEN VECTOR+48 VECTOR+40 VECTOR+32 VECTOR+24 VECTOR+16 VECTOR+8 VECTOR+8 VECTOR+8		1793 1806 1805 1804 1803 1802 1801 1800

Ps

\$\$

DI

DI

DI

DI

DI

EX

KE

DI

\$G

\$0

; Routine Size: 158 bytes, Routine Base: \$CODE\$ + 0872 _\$2

SYMING CONTRACTOR SAN CHARLES SYNTHE SYNTHE SYNTHESE SYNTHESIS SYNTHESE SYNTHESE SYNTHESE SYNTHESE SYNTHESE SYNTHESE SYNTHESE SYNTHESE SYN

```
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
                                                                                                                                        VAX-11 Bliss-32 V4.0-742
EDISKO.SRCJDISKQUOTA.B32:1
DISKQUOTA
VO4-000
  1888
1889
1890
1891
1892
1893
                                        do formatting as necessary.
                                    1894
1895
1896
1897
1898
1899
1900
1901
1902
1905
1906
1907
1908
1909
1910
                                           BEGIN
                                          ERR_CODE = .ERR_CODE[STS$V_MSG_NO];
P = .MESSAGE_TABLE[.ERR_CODE];
FORMAT_DESC[0] = .P[1];
FORMAT_DESC[1] = .P + 2;
OUTPUT_DESC[0] = OUTPUT_LENGTH;
                        1880
1881
1882
1883
1884
1885
1886
1887
                                           SFAOL (CTRSTR = FORMAT_DESC[0],
OUTLEN = OUTPUT_DESC[0],
OUTBUF = OUTPUT_DESC[0],
PRMLST = SIGNAL_VEC[CHF$L_SIG_ARG1]
                                           LIBSPUT_OUTPUT (OUTPUT_DESC);
                         1888
                         1889
                                        If there is a signal argument remaining, it is a system error status.
                        1890
1891
1892
1893
1894
1895
                                        Convert its severity to error and signal it.
  1911
1912
1913
                                           ERR_CODE = 0;
IF .SIGNAL_VEC[CHF$L_SIG_ARGS] GTRU .P[0] + 3
  1914
                                           THEN
  1915
                        1896
1897
                                                 BEGIN
                                                 ERR_CODE = .VECTOR [SIGNAL_VEC[CHF$L_SIG_ARG1], .P[0]];
  1917
                         1898
                                                 END:
  1918
                         1899
                                           END:
  1919
                         1900
  1920
1921
1922
1923
                        1901
1902
1903
1904
1905
                                     IF .ERR_CODE NEQ O
                                     THEN
                                           BEGIN
                                           ERR_CODE[STS$V_SEVERITY] = STS$K_ERROR;
  1924
1925
1926
1927
1928
1929
1930
                                           SIGNAL (.ERR_CODE);
                         1906
                                           END:
                         1907
                         1908
                                     MECHANISM[CHF$L_MCH_SAVRO] = 1;
                                     IF .BBLOCK [SIGNAL VECCCHFSL SIG NAME], STSSV_SEVERITY] EQL STSSK_SEVERE
                         1909
                         1910
                                     THEN
                        1911
                        1912
                                           $QIOW (CHAN = .CHANNEL,
FUNC = IOS_DEACCESS);
   1932
1933
                        1914
   1934
                                           SUNWIND (DEPADR = MECHANISM[CHF$L_MCH_DEPTH]);
                        1916
                                           END:
                         1918
1919
                                     RETURN SS$_CONTINUE;
   1939
                                     END:
                                                                                                   ! end of routine MAIN_HANDLER
```

.EXTRN SYSSFAOL

_\$2

Val

15KQUOTA 104-000									1	5-Sep-1984 23:38 4-Sep-1984 12:19	3:38	VAX-11 Bliss-32 V4.0-742 [DISKQ.SRC]DISKQUOTA.B32;1	Page 7
					56 55 54	00000000	EF 08	007C 9E C2 00	00000 00002 00009 00000	ENTRY MOVAB SUBL2 MOVL	MAIN OUT #8. SIGN	N_HANDLER, Save R2,R3,R4,R5,R6 POT_DESC, R6 SP NAL_VEC, R4	181
00000045	8F		52		95	04	AC 44 10	DO ED 12	00010 00014 0001D	MOVL	4(R4	NAL_VEC, R4 4), ERR_CODE , #12, ERR_CODE, #69	: 187
	52		52	04	0D 53 6E 665	00000000°E 01 02 84 08	49323554 49323554	EF DO 9A 9E	0001F 00024 0002C 00030 00035	ENTRY MOVAB SUBL2 MOVL MOVL CMPIV BNEQ EXTIV MOVI MOVIBL MOVAB MOVAB PUSHL PUS	1\$ #3, MES! 1(P) 2(R) #13,	#13, ERR CODE, ERR CODE SAGE TABLECERR_CODEJ, P), FORMAT DESC 3), FORMAT DESC+4 2, OUTPUT_DESC 4), R5	187 187 187 187 188
				000000006	00	ОС	55 56 56 AE 056	9A 9E DD DD 9F BD	00046	PUSHL PUSHL PUSHL PUSHAB CALLS PUSHL	FOR!	MAT_DESC SYS\$FAOL	188
				0000000G	00 50 51 51	03	01 52 63 64 04	FB 04 9E 01 1B	00056 00058	CALLS CLRL MOVZBL MOVAB CMPL	#1, ERR (P) 3(R) (R4)	LIBSPUT_OUTPUT _CODE _ RO O), R1), R1	189
					52	6	540	-	00064		(R5)	CODE ERR_CODE	189
	52		03	00000000G	00		0E 02 52 01	FO DD FB	0006A 0006C 00071 00073	18: MOVL TSTL BEQL INSV PUSHL CALLS	#2, ERR.	#0, #3, ERR_CODE CODE LIB\$SIGNAL HANISM, R3 12(R3) #3, 4(R4), #4	190 190
				ОС	53 A3	08	AC	DO	0007A 0007E	2\$: MOVL	MECH	HANISM, R3 12(R3)	190
	04	04	A4		03		01 00 25 7E 7E 7E 7E 34 6	12 70 70	00064 00068 0006C 00071 00073 00078 00082 00088 0008A 0008C	CMPZV BNEQ CLRQ CLRQ CLRQ	-(SF -(SF)	190
					7E 7E	FEE4	7E 34 C6 7E	7C 7D 3C 04	00090 00092 00095 0009A 0009C	CLRQ CLRQ MOVQ MOVZWL CLRL	#52 CHAN	P) , -(SP) NNEL, -(SP) P) , SYS\$QIOW	
				000000006	00	08	0C 7E	FB D4	0009C 000A3 000A5	CLRL CALLS CLRL PUSHAB CALLS	#12 -(SF 8(R3	, SYS\$QIOW	191
				0000000G	00 50	08	02	FB 00	000A8 000AF 000B2	3\$: MOVL	#2.	SYS\$UNWIND RO	191

_\$2

Per

Tot

Us Tot

Nu

37

LII /SI CLU GSI

```
F 15
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
DISKQUOTA
VO4-000
                                                                                                                                              VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
                                       GLOBAL ROUTINE EXIT_HANDLER: NOVALUE =
                                          fucntional Description:
                                                    This routine is called by the OS on exit (for whatever reason) from the DISKQUOTA utility. This routine must ensure that DISKQUOTA did not leave things in an awkward state.
                                          Calling Sequence:
                                          Input Parameters:
                                                    none
                                          Implicit Inputs:
                                                    none
                                          Output Parameters:
                                                    none
                                          Implicit Outputs:
                                                    none
                                          Routines Called:
                                                    none
                                          Routine Value:
                                                    none
                                          Signals:
                                                    none
                                          Side Effects:
                                                    none
                                       BEGIN
                                          Make sure that DISKQUOTA did not leave a volume LOCKED.
   1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
                                       IF .CLEANUP_FLAGS[CLF_UNLOCK]
THEN
                                             CHSFILL (O, FIBSC LENGTH, QUOTA FIB);
QUOTA FIB[FIBSW CNTRLFUNC] = FIBSC_UNLK_VOL;
$QIOW (CHAN = .CHANNEL,
FUNC = IOS_ACPCONTROL,
P1 = QFIB_DESC
                          1972
                          1974
                                             END:
                          1976
                                       END:
                                                                                                        ! end of routine EXIT_HANDLER
```

**

DISKQUOTA VO4-000			G 15 15-Sep-1984 23:38:3 14-Sep-1984 12:19:4	38 VAX-11 Bliss-32 V4.0-742 66 [DISKQ.SRC]DISKQUOTA.832;1	Page 77 (21)
0040 BF	00 5A	56 00000000° 2A 6E 44 A6 00D4 7E 7E FEC8 00	08 B0 00015 7E 7C 00019 7E 7C 0001B 7E 7C 0001B 7E D4 0001D CLRQ C6 9F 0001F PUSHAB CLRQ C6 9F 00023 CLRQ C6 3C 00028 MOVQ MOVZWL C6 7E D4 0002D CLRL	EXIT HANDLER, Save R2,R3,R4,R5,R6 CLEARUP_FLAGS, R6 CLEANUP_FLAGS, 1\$ W0, (SP), W0, W64, QUOTA_FIB W8, QUOTA_FIB+22 -(SP) -(SP) -(SP) DFIB_DESC -(SP) CHANNEL, -(SP) -(SP) W12, SYS\$QIOW	1921 1966 1969 1970 1974

; Routine Size: 55 bytes, Routine Base: \$CODE\$ + 0903

EX

```
H 15
15-Sep-1984 23:38:38
14-Sep-1984 12:19:46
                                                                                                         VAX-11 Bliss-32 V4.0-742
[DISKQ.SRC]DISKQUOTA.B32;1
DISKQUOTA
VO4-000
                                                                                                                                                     Page 78 (22)
                             GLOBAL ROUTINE COMMON_IO (EFN, CHAN, FUNC, IOSTS, ASTADR, ASTPRM, P1, P2, P3, P4, P5, P6) =
                   FUNCTIONAL DESCRIPTION:
                                      This routine simply executes a $QIOW sall with the parameters
                                      supplied.
                               CALLING SEQUENCE:
                                      COMMON_IO (EFN, CHAN, FUNC, IOSTS, ASTADR, ASTPRM, P1, P2, P3, P4, P5, P6)
                               INPUT PARAMETERS:
                                      As to $QIOW
                               IMPLICIT INPUTS:
                               OUTPUT PARAMETERS:
                                      NONE
                               IMPLICIT OUTPUTS:
                                      NONE
                               ROUTINE VALUE:
                                      As to $010W
                               SIDE EFFECTS:
                                      As to $010W
                             BEGIN
                            BUILTIN
                                      CALLG:
                             EXTERNAL ROUTINE
                                      SYS$010W
                                                          : ADDRESSING_MODE (GENERAL);
                               We simply pass the call and its parameters along to $QIOW.
                             CALLG (.AP, SYS$QIOW)
                             END:
                                                                             ! End of routine CCMMON_IO
                                                                                                                                                       : 1978
: 2023
: 2025
                                                                                         .ENTRY
CALLG
RET
                                                                                                  COMMON_ID, Save nothing (AP), SYS$QIOW
```

00000000G 00

_\$

DEI

DI

15-Sep-1984 23:38:38 14-Sep-1984 12:19:46 DISKQUOTA VO4-000 VAX-11 Bliss-32 V4.0-742 [DISKQ.SRC]DISKQUOTA.B32;1 Page 79 (22) : Routine Size: 10 bytes, Routine Base: \$CODE\$ + 09FA .EXTRN LIBSSIGNAL, LIBSSTOP PSECT SUMMARY Name Bytes Attributes REL. REL. REL. REL. REL. SMSG_TEXT SMSG_INDEX NOVEC, NOWRT, NOEXE, NOSHR, CON, NOPIC, ALIGN(0) CON, NOPIC, ALIGN(2) NOVEC, NOWRT, RD WRT, NOVEC. SOUNS , NOEXE, NOSHR, CON, NOPIC, ALIGN(2) NOVEC.NOWRT. NOVEC.NOWRT. NOVEC.NOWRT. SPLITS CON, NOPIC, ALIGN(2) , NOEXE, NOSHR, LIBSKEYOS LIBSSTATES 30 EXE, SHR, EXE, SHR, EXE, SHR, EXE, NOSHR, CON, PIC, ALIGN(1) CON, PIC, ALIGN(1) CON, PIC, ALIGN(1) LCL. NOVEC, NOWRT, 110 LIBSKEY15 SCODE'S CON, NOPIC, ALIGN(2) 2564 NOVEC, NOWRT, Library Statistics ----- Symbols -----Pages Processing file Percent Total Loaded Time Mapped \$255\$DUA28:[SYSLIB]LIB.L32;1 \$255\$DUA28:[SYSLIB]TPAMAC.L32;1 71 00:01.9 18619 1000 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:DISKQUOTA/OBJ=OBJ\$:DISKQUOTA MSRC\$:DISKQUOTA/UPDATE=(ENH\$:DISKQUOTA)

Size: 2564 code + 4112 data bytes Run Time: 01:26.1 Elapsed Time: 02:55.3

Run Time: 01:26.1 Elapsed Time: 02:55.3 Lines/CPU Min: 1413 Lexemes/CPU-Min: 57801 Memory Used: 366 pages

: Compilation Complete

Ps

SP

\$C

0104 AH-BT13A-SE

DIGITAL EQUIPMENT CORPORATION CONFIDENTIAL AND PROPRIETARY

